

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT							
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Aurora 3-16D-7-20							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME AURORA (DEEP)							
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164							
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Pelican Lake Farms, LLC						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO Box 833, Meeker, CO 81641						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		1585 FNL 2573 FWL		SEnw		16		7.0 S		20.0 E		S	
Top of Uppermost Producing Zone		994 FNL 2198 FWL		NENw		16		7.0 S		20.0 E		S	
At Total Depth		991 FNL 2204 FWL		NENw		16		7.0 S		20.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 991			23. NUMBER OF ACRES IN DRILLING UNIT 40							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 4165			26. PROPOSED DEPTH MD: 10259 TVD: 10156							
27. ELEVATION - GROUND LEVEL 4882			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2336							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
COND	26	20	0 - 80	94.0	Unknown	8.8	Unknown		0	0.0	0.0		
SURF	17.5	13.375	0 - 500	54.5	J-55 ST&C	8.8	Halliburton Premium , Type Unknown		450	1.36	14.8		
I1	12.25	9.625	0 - 5100	40.0	J-55 LT&C	8.8	Halliburton Light , Type Unknown		700	3.16	11.0		
							Halliburton Premium , Type Unknown		350	1.36	14.8		
PROD	8.75	5.5	0 - 10259	17.0	P-110 LT&C	9.8	Unknown		350	2.31	11.0		
							Unknown		1000	1.42	13.5		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Venessa Langmacher				TITLE Senior Permit Analyst				PHONE 303 312-8172					
SIGNATURE				DATE 10/26/2011				EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43047521290000				APPROVAL Permit Manager									

BILL BARRETT CORPORATION

DRILLING PLAN

Aurora #3-16D-7-20

SE NW, 1585' FNL and 2573' FWL, Section 16, T7S, R20E, SLB&M (Surface Hole)

NE NW, 991' FNL and 2204' FWL, Section 16, T7S, R20E, SLB&M (Bottom Hole)

Uintah County, UT

1-2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River (Upper)	4,509'	4,481'
Mahogany	5,271'	5,201'
*Lower Green River	6,394'	6,291'
Douglas Creek	6,534'	6,431'
Black Shale Facies	7,194'	7,091'
Castle Butte	7,284'	7,181'
*Wasatch	8,159'	8,056'
TD	10,259'	10,156'

*PROSPECTIVE PAY

The Green River and Wasatch are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 80'	No pressure control required
80' - 5,100'	13-5/8" diverter plumbed through the rigs manifold
5,100' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
26"	Surface	80'	20"	94#			
17-1/2"	surface	500'	13-3/8"	54.50#	J or K 55	ST&C	New
12-1/4"	surface	5,100'	9-5/8"	40#	J55	LT&C	New
8-3/4"	surface	10,259'	5-1/2"	17#	P110	LTC	New
Note: May pre-set 13-3/8" surface casing with spudder rig.							

Bill Barrett Corporation
 Drilling Program
 Aurora #3-16D-7-20
 Uintah County, Utah

5. Cementing Program

<u>Casing</u>	<u>Cement</u>
20" Conductor Casing	Grout
17-1/2" hole for 13-3/8" Surface Casing (may pre-set with spudder rig)	Approximately 450 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx). Calculated hole volume with 75% excess.
12-1/4" hole for 9-5/8" intermediate casing	Lead with approximately 700 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 50% excess. 4100' fill. Tail with approximately 350 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx). Calculated hole volume with 50% excess. 1000' fill.
8-3/4" hole for 5-1/2" production casing	Lead with approximately 350 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). Tail with approximately 1000 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Planned TOC @ 4300'. 50% excess over gauge hole.

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
500' - 5,100'	8.3 – 8.8	26 – 36	NC	Freshwater Mud Fluid System
5,100' – TD	8.6 – 9.8	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI, Sonic Scanner, GEM, HFDT to be run at geologist's discretion.

Bill Barrett Corporation
Drilling Program
Aurora #15-8-7-20
Uintah County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5176 psi* and maximum anticipated surface pressure equals approximately 2941 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TVD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TVD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S, R20E.

11. Drilling Schedule

Location Construction:	December 2011
Spud:	December 2011
Duration:	18 days drilling time
	45 days completion time

T7S, R20E, S.L.B.&M.

BILL BARRETT CORPORATION

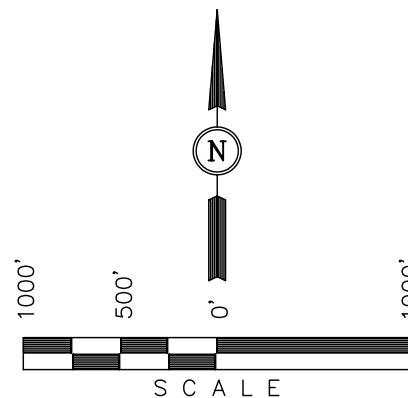
Well location, AURORA #3-16D-7-20, located as shown in the SE 1/4 NW 1/4 of Section 16, T7S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

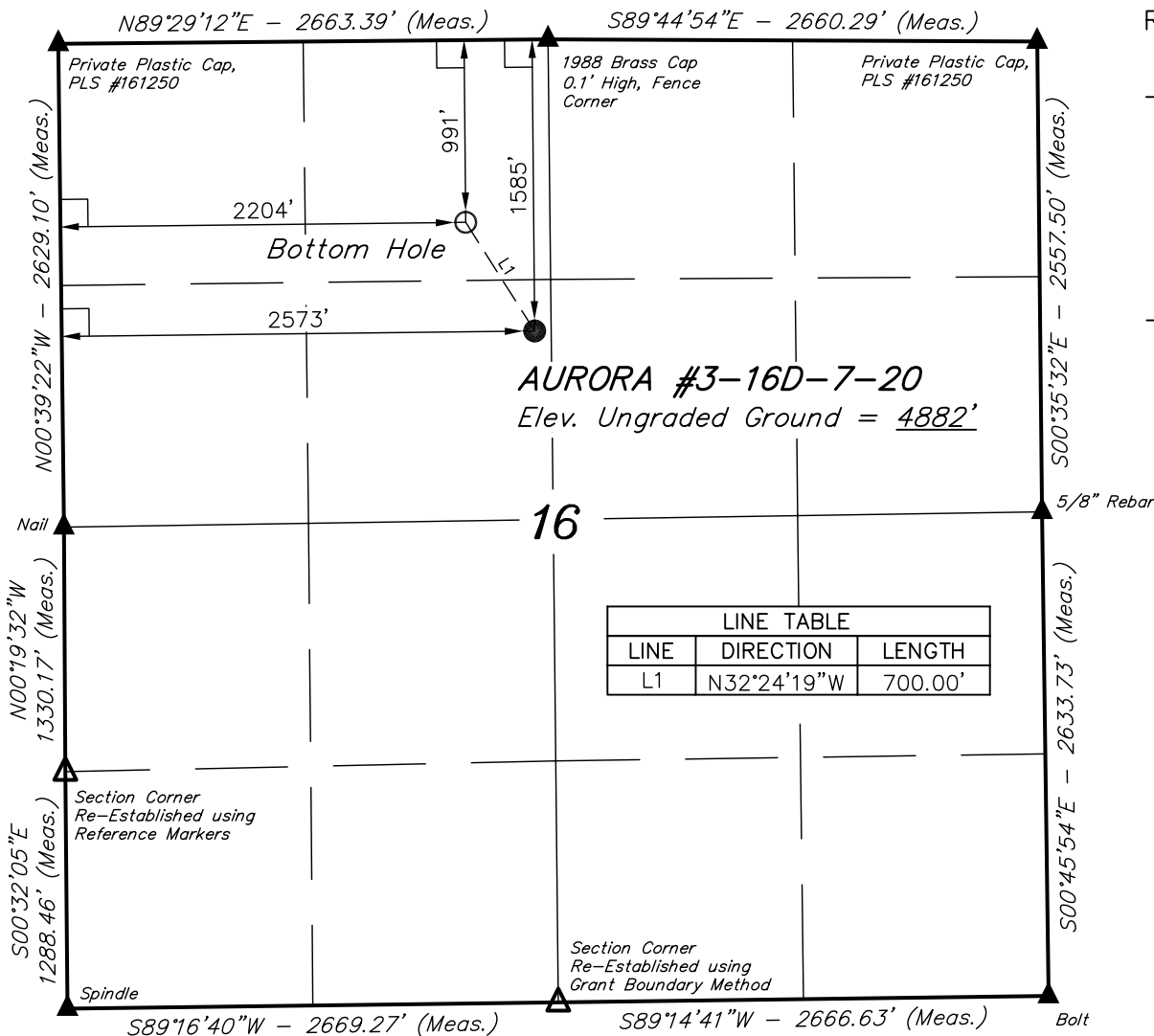
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
08-30-11

REV.: 08-26-11 J.L.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

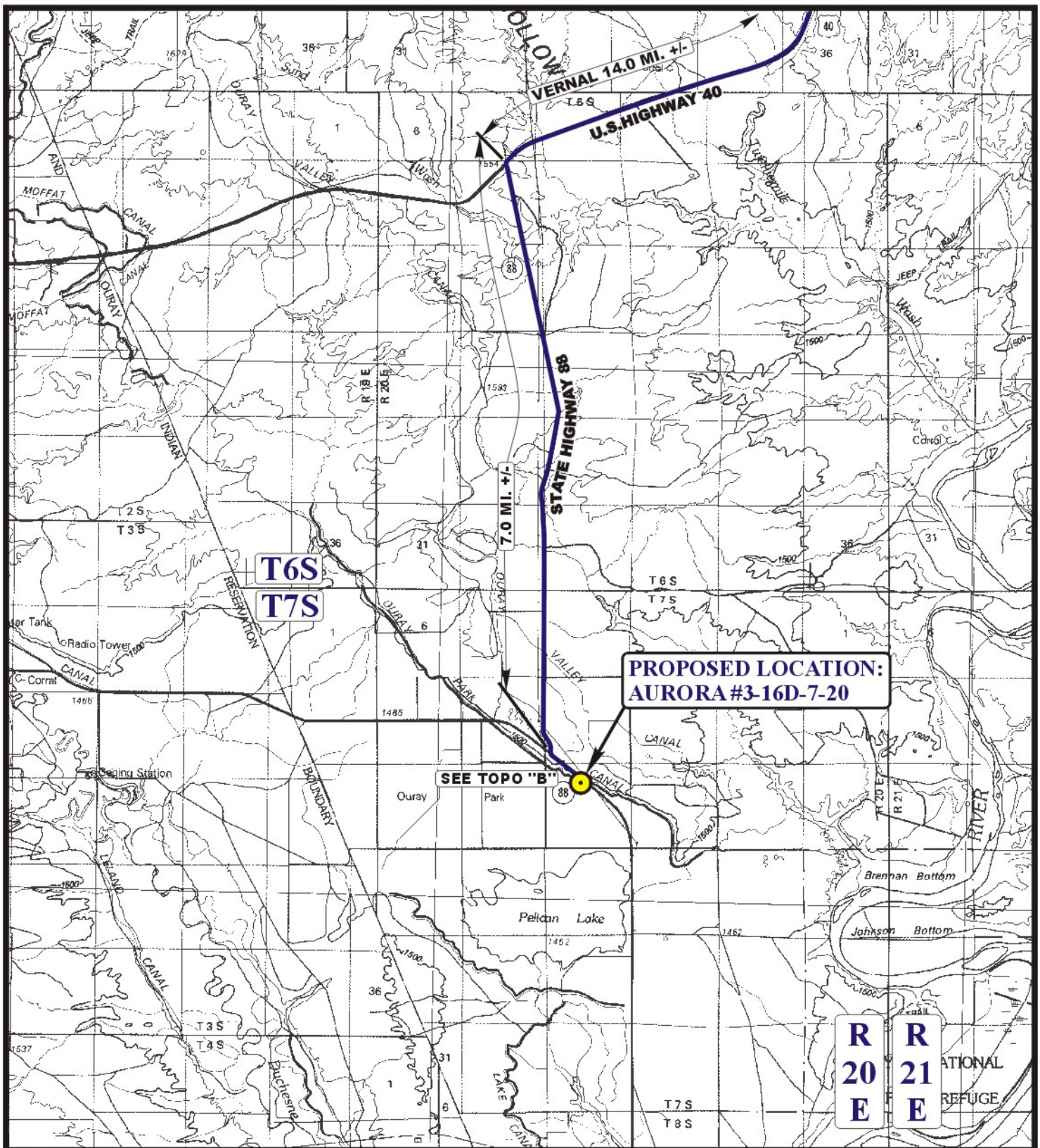
SCALE 1" = 1000'	DATE SURVEYED: 12-15-09	DATE DRAWN: 01-04-10
PARTY D.R. S.L. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE ELK RESOURCES, LLC	



LEGEND:

- └─┘ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°12'54.85" (40.215236)		LATITUDE = 40°12'49.01" (40.213614)	
LONGITUDE = 109°40'34.47" (109.676242)		LONGITUDE = 109°40'29.64" (109.674900)	
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°12'54.99" (40.215275)		LATITUDE = 40°12'49.15" (40.213653)	
LONGITUDE = 109°40'31.97" (109.675547)		LONGITUDE = 109°40'27.14" (109.674206)	



LEGEND:

 PROPOSED LOCATION



BILL BARRETT CORPORATION

AURORA #3-16D-7-20
SECTION 16, T7S, R20E, S.L.B.&M.
1585' FNL 2573' FWL



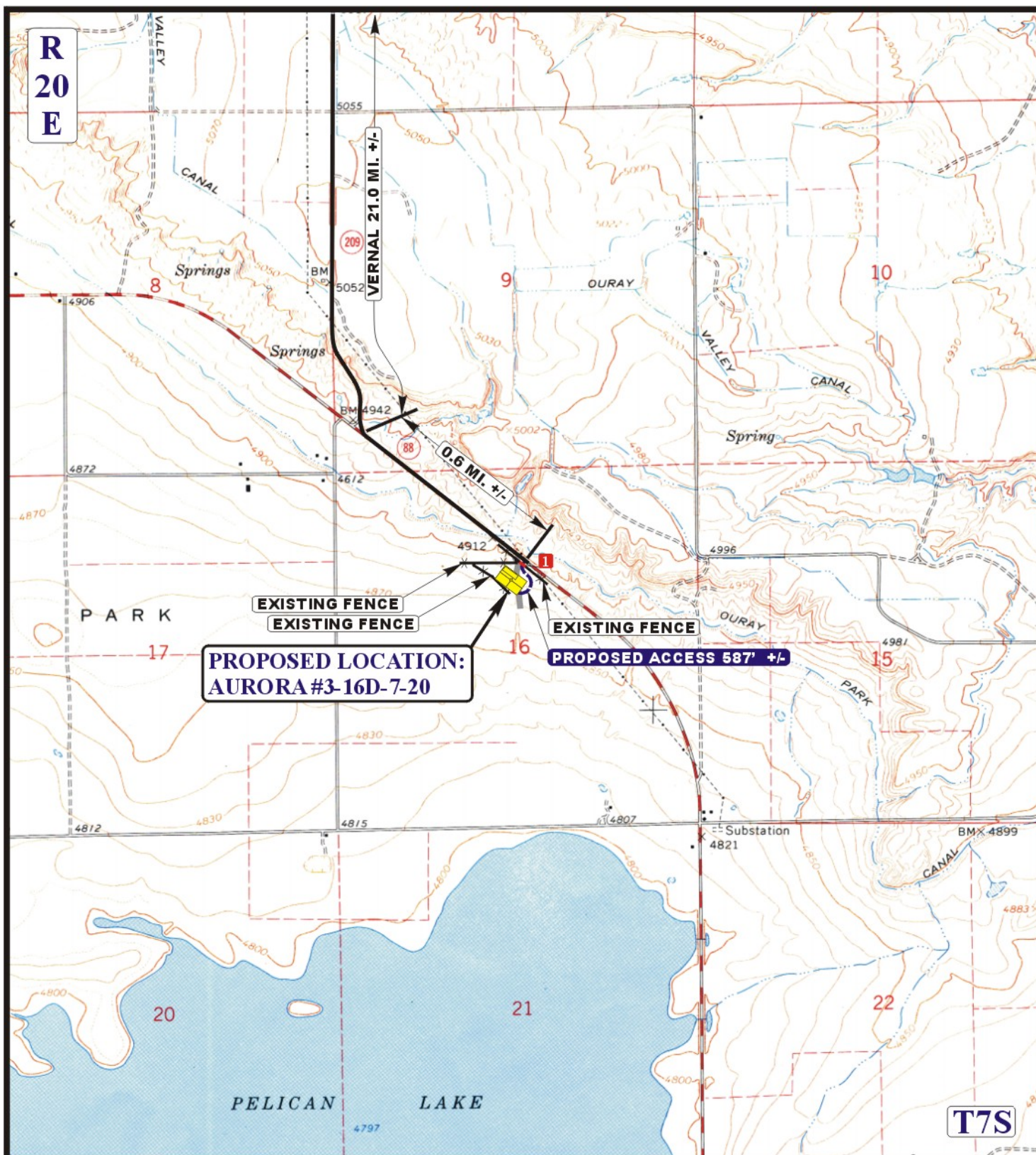
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

01 07 10
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 08-26-11



**LEGEND:**

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD
- * * * EXISTING FENCE
- 1** INSTALL CATTLE GUARD

**BILL BARRETT CORPORATION**

AURORA #3-16D-7-20
SECTION 16, T7S, R20E, S.L.B.&M.
1585' FNL 2573' FWL



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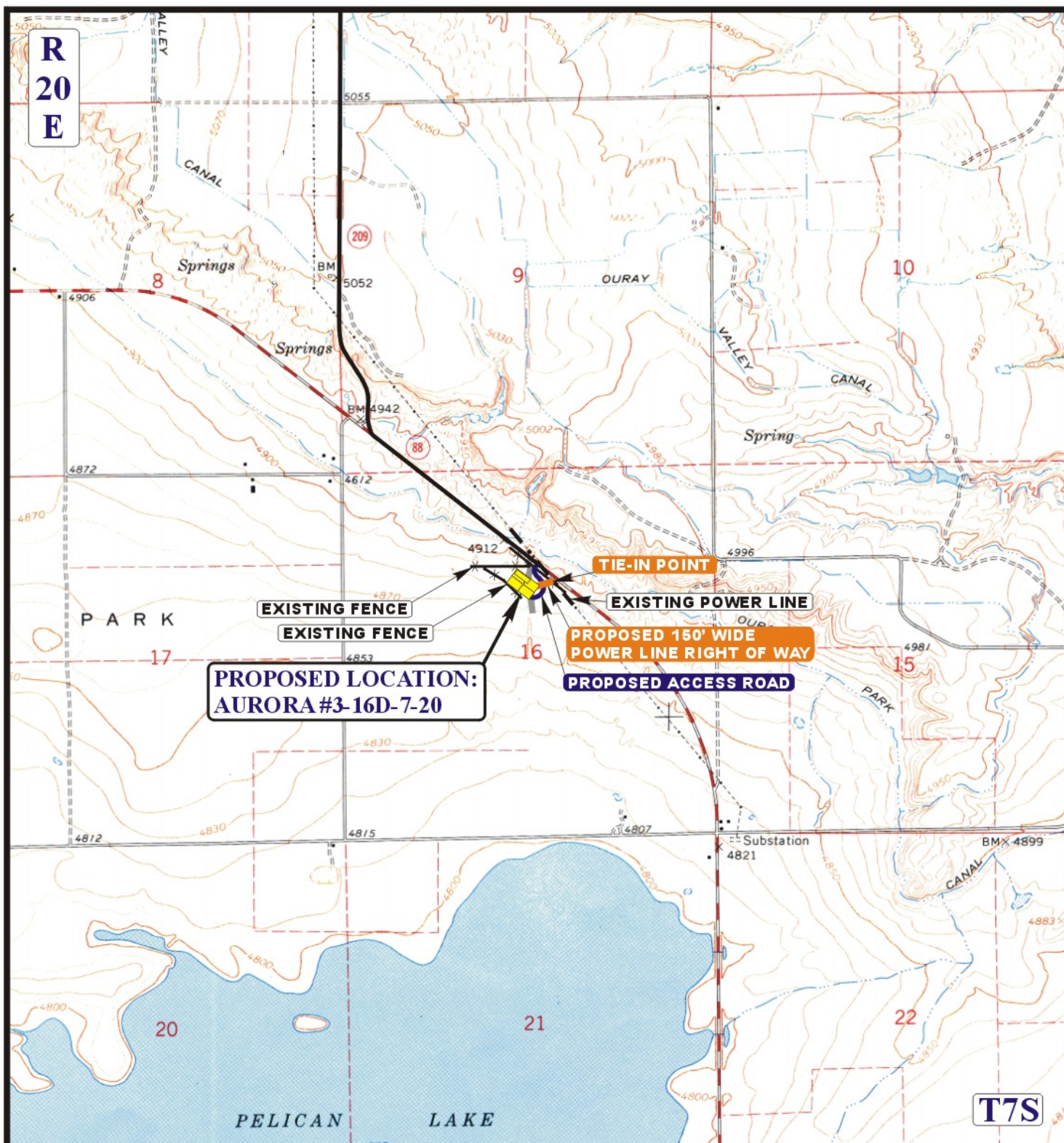
ACCESS ROAD
M A P

01 07 10
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 08-26-11

B
TOPO

C
TOPO



APPROXIMATE TOTAL POWER LINE DISTANCE = 202' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- - - - - EXISTING POWER LINE
- * * * * * EXISTING FENCE

BILL BARRETT CORPORATION

AURORA#3-16D-7-20
SECTION 16, T7S, R20E, S.L.B.&M.
1585' FNL 2573' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC
MAP

08 26 11
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00



**Bill Barrett Corporation**

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio

SITE DETAILS: Aurora 3-16D-7-20

SENW, Sec 16, T7S, R20E
 1585 FNL & 2573 FWL

Site Centre Latitude: 40° 12' 49.151 N
 Longitude: 109° 40' 27.142 W

Positional Uncertainty: 0.0
 Convergence: 1.20
 Local North: True

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
3-16D TGR3	6291.0	591.0	-374.640° 12' 54.990 N	109° 40' 31.969 W	Rectangle (Sides: L200.0 W200.0)	
3-16D PBHL	10156.0	591.0	-374.640° 12' 54.990 N	109° 40' 31.969 W	Rectangle (Sides: L200.0 W200.0)	

SECTION DETAILS

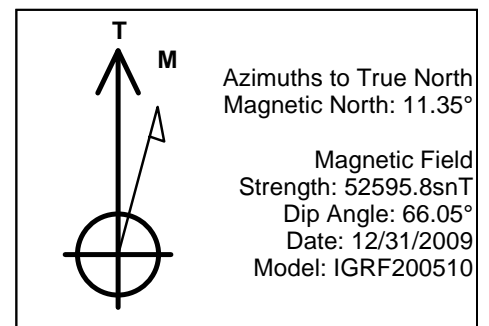
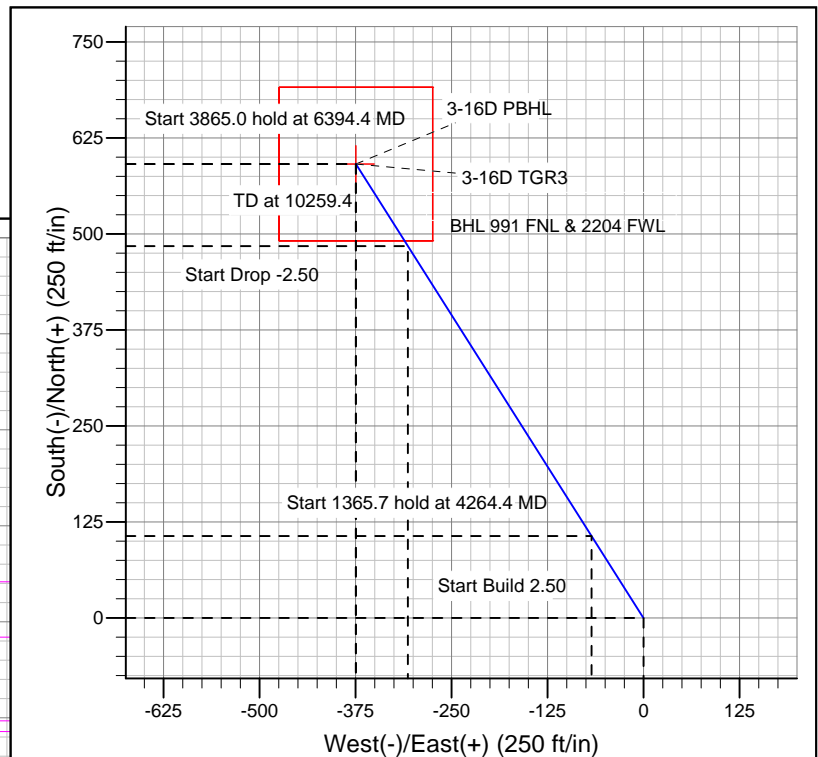
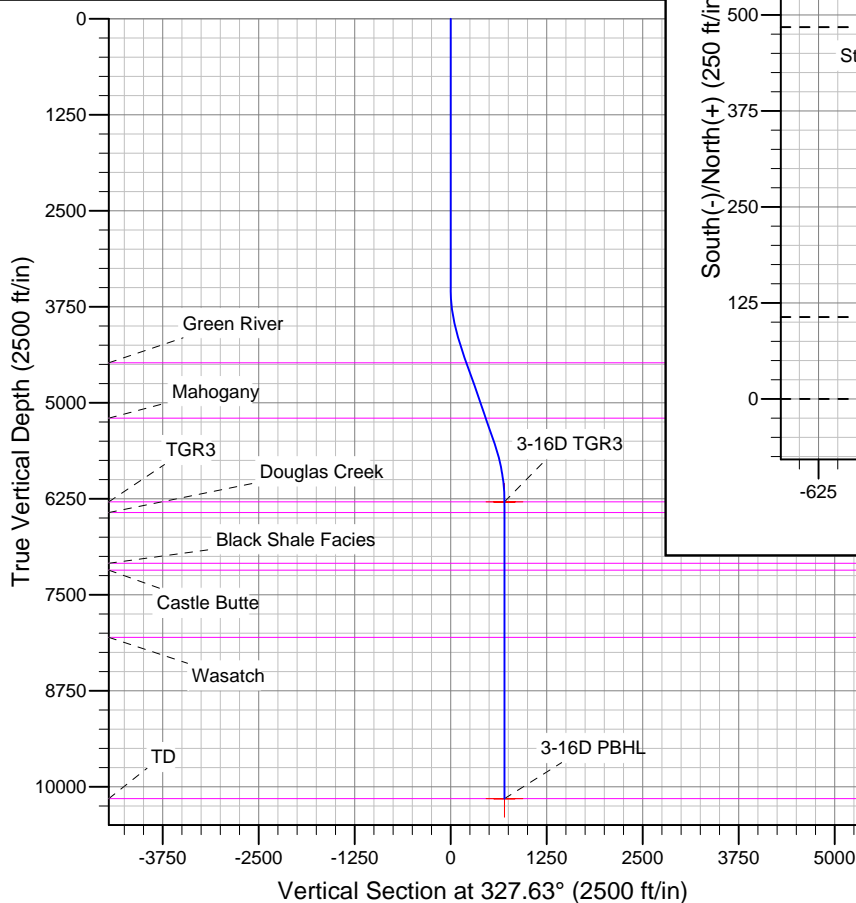
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3500.0	0.00	0.00	3500.0	0.0	0.0	0.00	0.00	0.0	
3	4264.4	19.11	327.63	4250.3	106.7	-67.6	2.50	327.63	126.3	
4	5630.1	19.11	327.63	5540.7	484.3	-307.0	0.00	0.00	573.4	
5	6394.4	0.00	0.00	6291.0	591.0	-374.6	2.50	180.00	699.7	3-16D TGR3
6	10259.4	0.00	0.00	10156.0	591.0	-374.6	0.00	0.00	699.7	3-16D PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4481.0	4508.5	Green River
5201.0	5270.5	Mahogany
6291.0	6394.4	TGR3
6431.0	6534.4	Douglas Creek
7091.0	7194.4	Black Shale Facies
7181.0	7284.4	Castle Butte
8056.0	8159.4	Wasatch
0156.0	10259.4	TD

CASING DETAILS

No casing data is available



RECEIVED: October 26, 2011

BILL BARRETT CORP

UINTAH COUNTY

Aurora 3-16D-7-20

Aurora 3-16D-7-20

Aurora 3-16D-7-20

Plan: Design #1

Standard Planning Report

26 October, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora 3-16D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4897.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4897.0ft (Original Well Elev)
Site:	Aurora 3-16D-7-20	North Reference:	True
Well:	Aurora 3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora 3-16D-7-20		
Design:	Design #1		

Project	UINTAH COUNTY		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah North 4301		

Site	Aurora 3-16D-7-20, SENW, Sec 16, T7S, R20E				
Site Position:		Northing:	-11,657.41 m	Latitude:	40° 12' 49.151 N
From:	Lat/Long	Easting:	765,036.99 m	Longitude:	109° 40' 27.142 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	1.20 °

Well	Aurora 3-16D-7-20, 1585 FNL & 2573 FWL					
Well Position	+N/-S	0.0 ft	Northing:	-11,657.41 m	Latitude:	40° 12' 49.151 N
	+E/-W	0.0 ft	Easting:	765,036.99 m	Longitude:	109° 40' 27.142 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,882.0 ft

Wellbore	Aurora 3-16D-7-20				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	11.35	66.05	52,596

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	327.63

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,264.4	19.11	327.63	4,250.3	106.7	-67.6	2.50	2.50	0.00	327.63	
5,630.1	19.11	327.63	5,540.7	484.3	-307.0	0.00	0.00	0.00	0.00	
6,394.4	0.00	0.00	6,291.0	591.0	-374.6	2.50	-2.50	0.00	180.00	3-16D TGR3
10,259.4	0.00	0.00	10,156.0	591.0	-374.6	0.00	0.00	0.00	0.00	3-16D PBHL

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora 3-16D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4897.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4897.0ft (Original Well Elev)
Site:	Aurora 3-16D-7-20	North Reference:	True
Well:	Aurora 3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora 3-16D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	2.50	327.63	3,600.0	1.8	-1.2	2.2	2.50	2.50	0.00
3,700.0	5.00	327.63	3,699.7	7.4	-4.7	8.7	2.50	2.50	0.00
3,800.0	7.50	327.63	3,799.1	16.6	-10.5	19.6	2.50	2.50	0.00
3,900.0	10.00	327.63	3,898.0	29.4	-18.6	34.8	2.50	2.50	0.00
4,000.0	12.50	327.63	3,996.0	45.9	-29.1	54.3	2.50	2.50	0.00
4,100.0	15.00	327.63	4,093.2	66.0	-41.8	78.1	2.50	2.50	0.00
4,200.0	17.50	327.63	4,189.2	89.6	-56.8	106.1	2.50	2.50	0.00
4,264.4	19.11	327.63	4,250.3	106.7	-67.6	126.3	2.50	2.50	0.00
4,300.0	19.11	327.63	4,283.9	116.5	-73.9	138.0	0.00	0.00	0.00
4,400.0	19.11	327.63	4,378.4	144.2	-91.4	170.7	0.00	0.00	0.00
4,500.0	19.11	327.63	4,472.9	171.8	-108.9	203.4	0.00	0.00	0.00
4,508.5	19.11	327.63	4,481.0	174.2	-110.4	206.2	0.00	0.00	0.00
Green River									
4,600.0	19.11	327.63	4,567.4	199.5	-126.4	236.2	0.00	0.00	0.00
4,700.0	19.11	327.63	4,661.9	227.1	-144.0	268.9	0.00	0.00	0.00
4,800.0	19.11	327.63	4,756.4	254.8	-161.5	301.6	0.00	0.00	0.00
4,900.0	19.11	327.63	4,850.9	282.4	-179.0	334.4	0.00	0.00	0.00
5,000.0	19.11	327.63	4,945.4	310.1	-196.5	367.1	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora 3-16D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4897.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4897.0ft (Original Well Elev)
Site:	Aurora 3-16D-7-20	North Reference:	True
Well:	Aurora 3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora 3-16D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	19.11	327.63	5,039.9	337.7	-214.1	399.9	0.00	0.00	0.00
5,200.0	19.11	327.63	5,134.4	365.4	-231.6	432.6	0.00	0.00	0.00
5,270.5	19.11	327.63	5,201.0	384.9	-244.0	455.7	0.00	0.00	0.00
Mahogany									
5,300.0	19.11	327.63	5,228.8	393.0	-249.1	465.3	0.00	0.00	0.00
5,400.0	19.11	327.63	5,323.3	420.7	-266.6	498.1	0.00	0.00	0.00
5,500.0	19.11	327.63	5,417.8	448.3	-284.2	530.8	0.00	0.00	0.00
5,600.0	19.11	327.63	5,512.3	476.0	-301.7	563.5	0.00	0.00	0.00
5,630.1	19.11	327.63	5,540.7	484.3	-307.0	573.4	0.00	0.00	0.00
5,700.0	17.36	327.63	5,607.1	502.8	-318.7	595.3	2.50	-2.50	0.00
5,800.0	14.86	327.63	5,703.2	526.2	-333.5	623.0	2.50	-2.50	0.00
5,900.0	12.36	327.63	5,800.4	546.1	-346.1	646.5	2.50	-2.50	0.00
6,000.0	9.86	327.63	5,898.5	562.4	-356.4	665.8	2.50	-2.50	0.00
6,100.0	7.36	327.63	5,997.4	575.0	-364.5	680.8	2.50	-2.50	0.00
6,200.0	4.86	327.63	6,096.8	584.0	-370.2	691.4	2.50	-2.50	0.00
6,300.0	2.36	327.63	6,196.6	589.3	-373.5	697.7	2.50	-2.50	0.00
6,394.4	0.00	0.00	6,291.0	591.0	-374.6	699.7	2.50	-2.50	0.00
TGR3 - 3-16D TGR3									
6,400.0	0.00	0.00	6,296.6	591.0	-374.6	699.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,396.6	591.0	-374.6	699.7	0.00	0.00	0.00
6,534.4	0.00	0.00	6,431.0	591.0	-374.6	699.7	0.00	0.00	0.00
Douglas Creek									
6,600.0	0.00	0.00	6,496.6	591.0	-374.6	699.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,596.6	591.0	-374.6	699.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,696.6	591.0	-374.6	699.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,796.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,896.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,100.0	0.00	0.00	6,996.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,194.4	0.00	0.00	7,091.0	591.0	-374.6	699.7	0.00	0.00	0.00
Black Shale Facies									
7,200.0	0.00	0.00	7,096.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,284.4	0.00	0.00	7,181.0	591.0	-374.6	699.7	0.00	0.00	0.00
Castle Butte									
7,300.0	0.00	0.00	7,196.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,400.0	0.00	0.00	7,296.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,396.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,496.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,596.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,696.6	591.0	-374.6	699.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,796.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,896.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,100.0	0.00	0.00	7,996.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,159.4	0.00	0.00	8,056.0	591.0	-374.6	699.7	0.00	0.00	0.00
Wasatch									
8,200.0	0.00	0.00	8,096.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,196.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,296.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,396.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,496.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,596.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,696.6	591.0	-374.6	699.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,796.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,896.6	591.0	-374.6	699.7	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora 3-16D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4897.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4897.0ft (Original Well Elev)
Site:	Aurora 3-16D-7-20	North Reference:	True
Well:	Aurora 3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora 3-16D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,100.0	0.00	0.00	8,996.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,096.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,196.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,296.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,396.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,496.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,596.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,696.6	591.0	-374.6	699.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,796.6	591.0	-374.6	699.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,896.6	591.0	-374.6	699.7	0.00	0.00	0.00
10,100.0	0.00	0.00	9,996.6	591.0	-374.6	699.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,096.6	591.0	-374.6	699.7	0.00	0.00	0.00
10,259.4	0.00	0.00	10,156.0	591.0	-374.6	699.7	0.00	0.00	0.00
TD - 3-16D PBHL									

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,508.5	4,481.0	Green River		0.00	
5,270.5	5,201.0	Mahogany		0.00	
6,394.4	6,291.0	TGR3		0.00	
6,534.4	6,431.0	Douglas Creek		0.00	
7,194.4	7,091.0	Black Shale Facies		0.00	
7,284.4	7,181.0	Castle Butte		0.00	
8,159.4	8,056.0	Wasatch		0.00	
10,259.4	10,156.0	TD		0.00	

AMENDMENT AND RATIFICATION OF SURFACE USE AGREEMENT

State of Utah)
)
County of Uintah)

Entry 2011007111
Book 1250 Page 179-180 \$12.00
06-OCT-11 03:13
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
ENCORE LAND SERVICES INC
PO BOX 1729 VERNAL, UT 84078
Rec By: HEATHER COON , DEPUTY

Pelican Lake Farms, LLC of P.O.

Box 833, Meeker, CO 80202 has granted a Surface Use Agreement, to **Elk Resources, LLC of 1401 17th Street, Suite 700, Denver, CO 80202**, hereafter referred to as "Elk", dated **July 20, 2010**, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from **Pelican Lake 16-12-7-20** on the following lands (the "Lands") in Uintah County Utah: **A tract of land lying in the NE/4NW/4 of Section 16, Township 7 South, Range 20 East, SLM, Uintah County.**

In a Memorandum of Surface Use Agreement, effective 07/20/2010, recorded 10/28/2010 in Book 1210, Page 225, Uintah County Records, Utah, the name of the well is listed as **Pelican Lake 16-12-7-20**. This Amendment and Ratification of Surface Use Agreement is placed of record for the purpose of changing the name of the well to be **Aurora 3-16D-7-20**; changing the description of the tract of land to which the well will be placed, being **a tract of land lying in the SE/4NW/4 and the SW/4NE/4 of Section 16, Township 7 South, Range 20 East, SLM, Uintah County**; changing the name of the Operator from Elk Resources, LLC of 1401 17th Street, Suite 700, Denver, CO 80202 to **Bill Barrett Corporation** of 1099 18th Street, Denver, CO 80202.

In a Warranty Deed, dated 03/30/2011, recorded 30/31/2011 in Book 1228, Page 456, Uintah County Records, Utah, Pelican Lake Farms, LLC, a Colorado Limited Liability Company conveyed the Lands to **Cox Brothers Farms, Inc., an Idaho corporation.**

NOW THEREFORE, the undersigned does hereby adopt, ratify and confirm the said Surface Use Agreement as to all of the terms and provisions therein. The undersigned hereby further declares that the said Surface Use Agreement in all of its terms and provisions is a valid and subsisting Surface Use Agreement, and declares that said Surface Use Agreement is binding upon the undersigned and the undersigned's successors and assigns.

The Surface Use Agreement is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 5 day of October, 2011.

SURFACE OWNER:

Cox Brothers Farms, Inc., an Idaho corporation


Gary L. Cox
Gary L. Cox,
President and Director

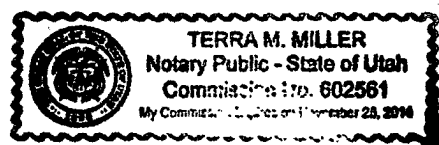
W. Harrison Cox
W. Harrison Cox,
Vice-President and Director

ACKNOWLEDGEMENT

STATE OF Utah }
 } :SS
COUNTY OF Lincoln }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 5th day of October, 2011, personally appeared Gary L. Cox, President and Director of Cox Brothers Farms, Inc., known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.



Notary Public

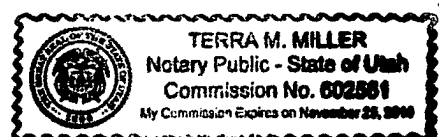


ACKNOWLEDGEMENT

STATE OF Utah }
COUNTY OF Uintah } :SS

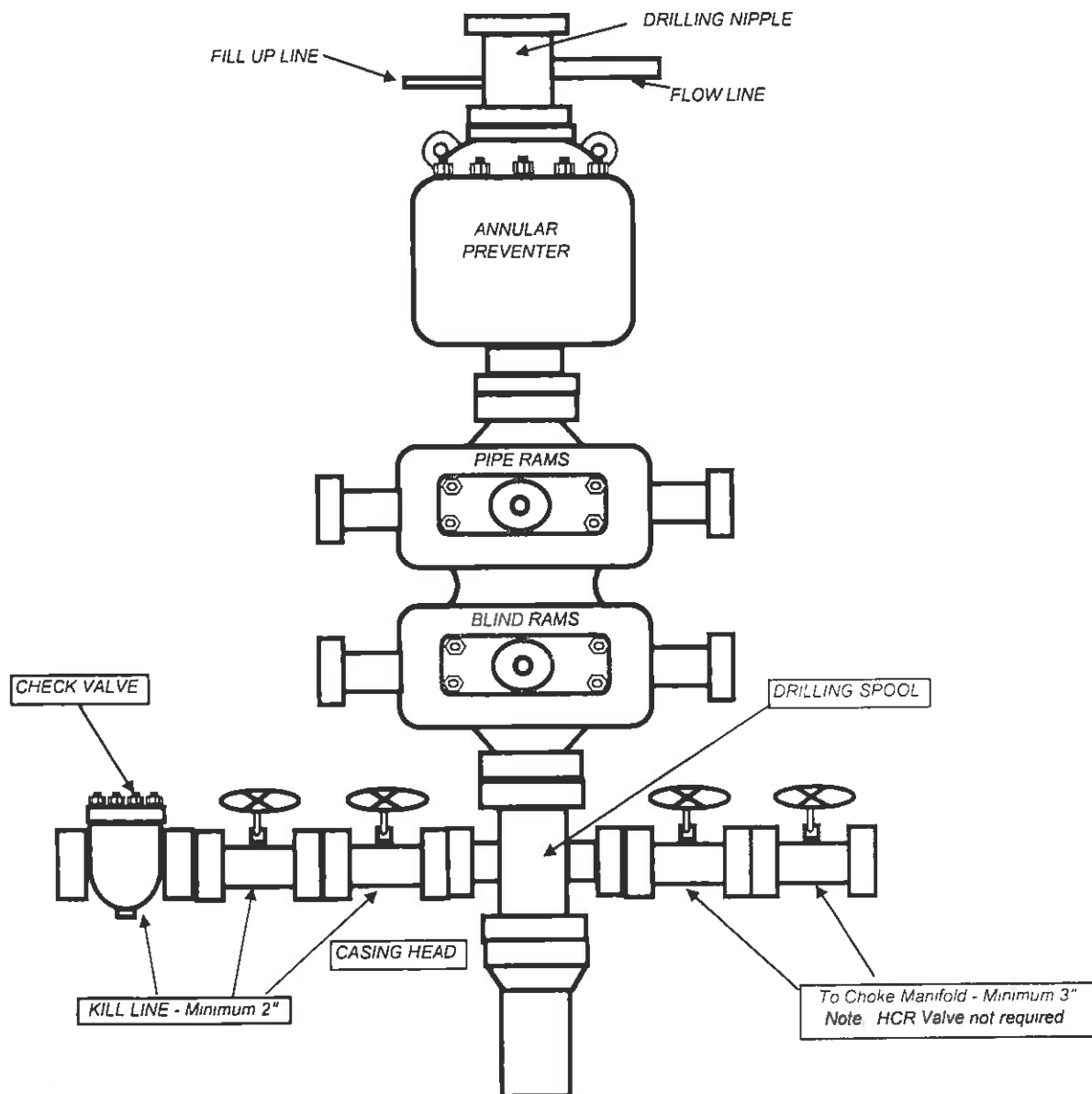
BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 5th day of October, 2011, personally appeared W. Harrison Cox, President and Director of Cox Brothers Farms, Inc., known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.


Notary Public



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





Bill Barrett Corporation

October 26, 2011

Utah Division of Oil, Gas and Mining
Attention: Dustin Doucet
1594 West North Temple, Suite 1120
Salt Lake City, Utah

RE: Commingling Notices
Aurora Deep Unit
Aurora 3-16D-7-20
SENW, Section 16 T7S R20E
Uintah County, UT

Dear Mr. Doucet,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well located in the Aurora Deep Unit. In compliance with Utah OGM regulation R649-3-22, BBC has enclosed copies of the completed Notices.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Veneva Langmackey
for

Thomas J. Abell
Landman

Enclosures



AFFIDAVIT OF NOTICE

My name is Thomas J. Abell. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Aurora Deep Field:

Aurora 3-16D-7-20 Well SENW 16 T7S-R20E


In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the application, by certified mail, to the owners as listed below of all contiguous oil and gas Leases or drilling units overlying the pool.

Lessors

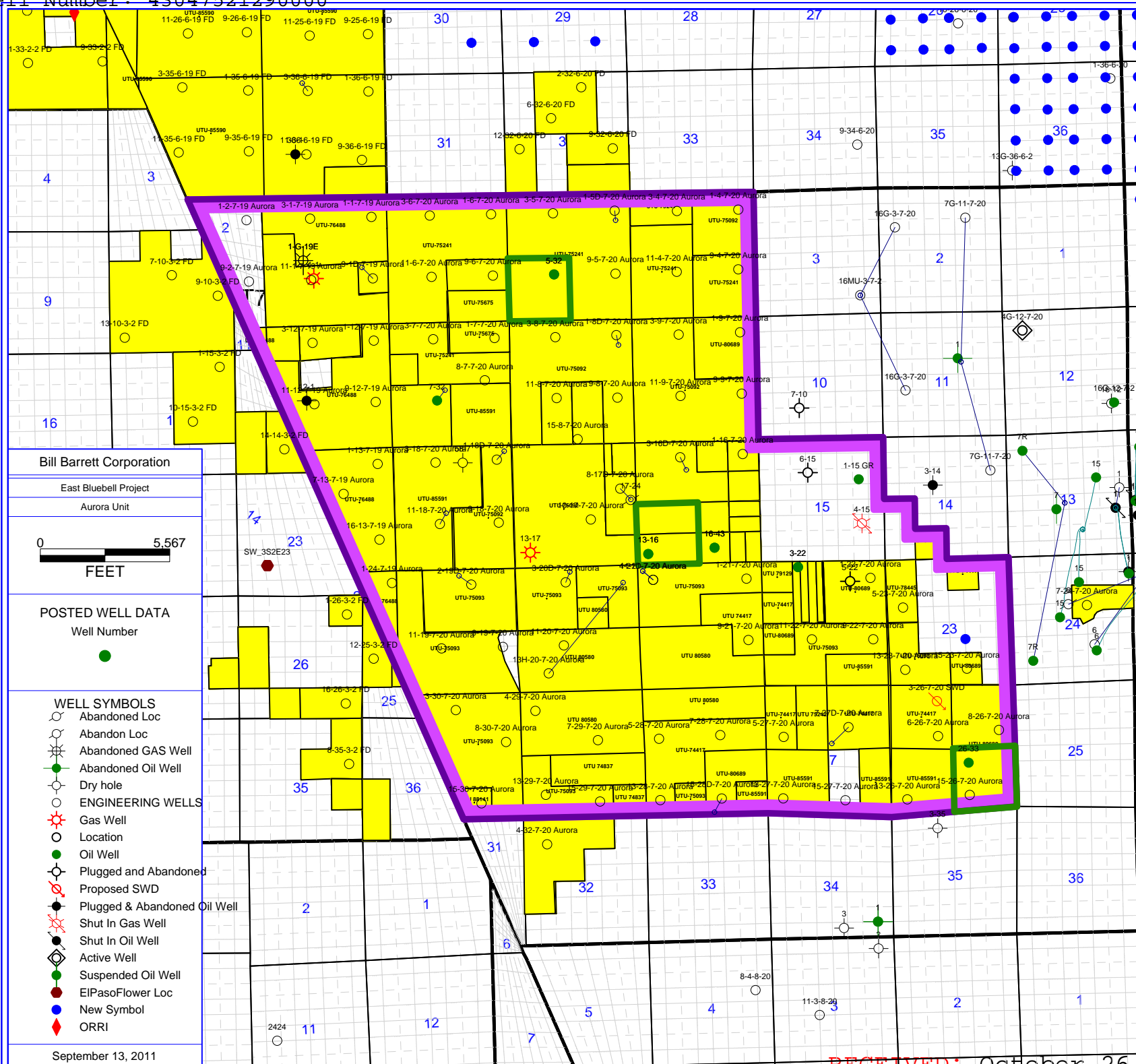
Mike Kelley
Gary Kelley
James Harvey Jordan
Mary Edna Jordan
Martha Jordan Boright
Norma E. Stroud
Jan Rhodes
Wendy Sue Pack
Marabeth Harner
Nyleen McSorley

Date: October 26, 2011

Affiant



Thomas J. Abell
Landman



RECEIVED: October 26

2011



October 26, 2011

Mary Edna Jordan
PO Box 810
Polarville, MS 39470

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Veneia Langnache
for

Thomas J. Abell
Landman

Enclosures



Bill Barrett Corporation

October 26, 2011

Mike Kelly
PO Box 219
Glendale, OR 97442

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

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BILL BARRETT CORPORATION

Thomas J. Abell for

Thomas J. Abell
Landman

Enclosures



October 26, 2011

Wendy Sue Pack
PO Box 1068
Bluefield, VA 24605

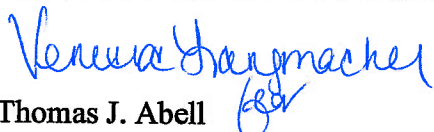
RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

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BILL BARRETT CORPORATION


Thomas J. Abell
Landman

Enclosures



Bill Barrett Corporation

October 26, 2011

Nyleen McSorley
1537 Marble Court
Chula Vista, CA 91911

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Thomas J. Abell
for

Thomas J. Abell
Landman

Enclosures



October 26, 2011

Norma E. Stroud
504 Orange Street
Arlington, TX 76012

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Veneria Langmache

Thomas J. Abell
Landman

Enclosures



October 26, 2011

Gary Kelley
256 Cordelia Street
Myrtle Creek, OR 97457

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

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BILL BARRETT CORPORATION



Thomas J. Abell
Landman

Enclosures



Bill Barrett Corporation

October 26, 2011

Jan Rhodes
2037 Shasta Street
Mojave, CA 93501

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

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BILL BARRETT CORPORATION

Thomas J. Abell

Thomas J. Abell
Landman

Enclosures



Bill Barrett Corporation

October 26, 2011

Martha Jordan Boright
PO Box 7377
Bonnie Lake, WA 98390

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

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BILL BARRETT CORPORATION

Veronica Langmacker

Thomas J. Abell
Landman

Enclosures



October 26, 2011

Marabeth Harner
97 Towne Square
Newport News, VA 23607

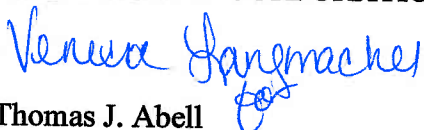
RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

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BILL BARRETT CORPORATION



Thomas J. Abell
Landman

Enclosures



October 26, 2011

James Harvey Jordan
PO Box 983
Albany, OR 97321

RE: Commingling Notices
Aurora 3-16D-7-20
Uintah County, UT

Dear Sir or Madam,

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BILL BARRETT CORPORATION

Thomas J. Abell
Thomas J. Abell
Landman

Enclosures





October 26, 2011

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling and Exception Location- Aurora 3-16D-7-20
East Bluebell Area
Surface: 1585' FNL, 2573' FWL, SENW, 16-T7S-R20E SLM
Bottom Hole: 991' FNL, 2204' FWL, NENW, 16-T7S-R20E SLM

Uintah County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under fee leases; Mike Kelley, Gary Kelley, James Harvey Jordan, Mary Edna Jordan, Martha Jordan Boright, Norma E. Stroud, Jan Rhodes, Wendy Sue Pack, Marabeth Harner and Nyleen McSorley. Forest Oil Corporation and Encana Oil and Gas (USA) Inc. own a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Forest Oil Corporation and Encana Oil and Gas (USA) Inc., we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11.

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420



Bill Barrett Corporation

Page 2

Also, BBC hereby submits an exception location letter in accordance with Oil & Gas Conservation Rules R649-3-3, requesting an exception well location, supported by the following information:

- The location is within our East Bluebell Area.
- The exception location is due to topography requirements and to minimize surface disturbance.
- BBC certifies that it is the working interest owner along with EnCana Oil and Gas (USA) and Forest Oil Corporation (who also consents to this exception location request), and together we own 100% of the working interest within 460 feet of the proposed well location.
- Our rights are owned under fee leases; Mike Kelley, Gary Kelley, James Harvey Jordan, Mary Edna Jordan, Martha Jordan Boright, Norma E. Stroud, Jan Rhodes, Wendy Sue Pack, Marabeth Harner and Nyleen McSorley.

Based on the information provided, BBC requests the Division grant this exception to the locating and siting requirements of R649-3-2. Should you have any questions or need further information, please contact me at 303-299-9935.

Sincerely,

Thomas Abell
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

BILL BARRETT CORPORATION**TYPICAL CROSS SECTION FOR**

AURORA #3-16D-7-20

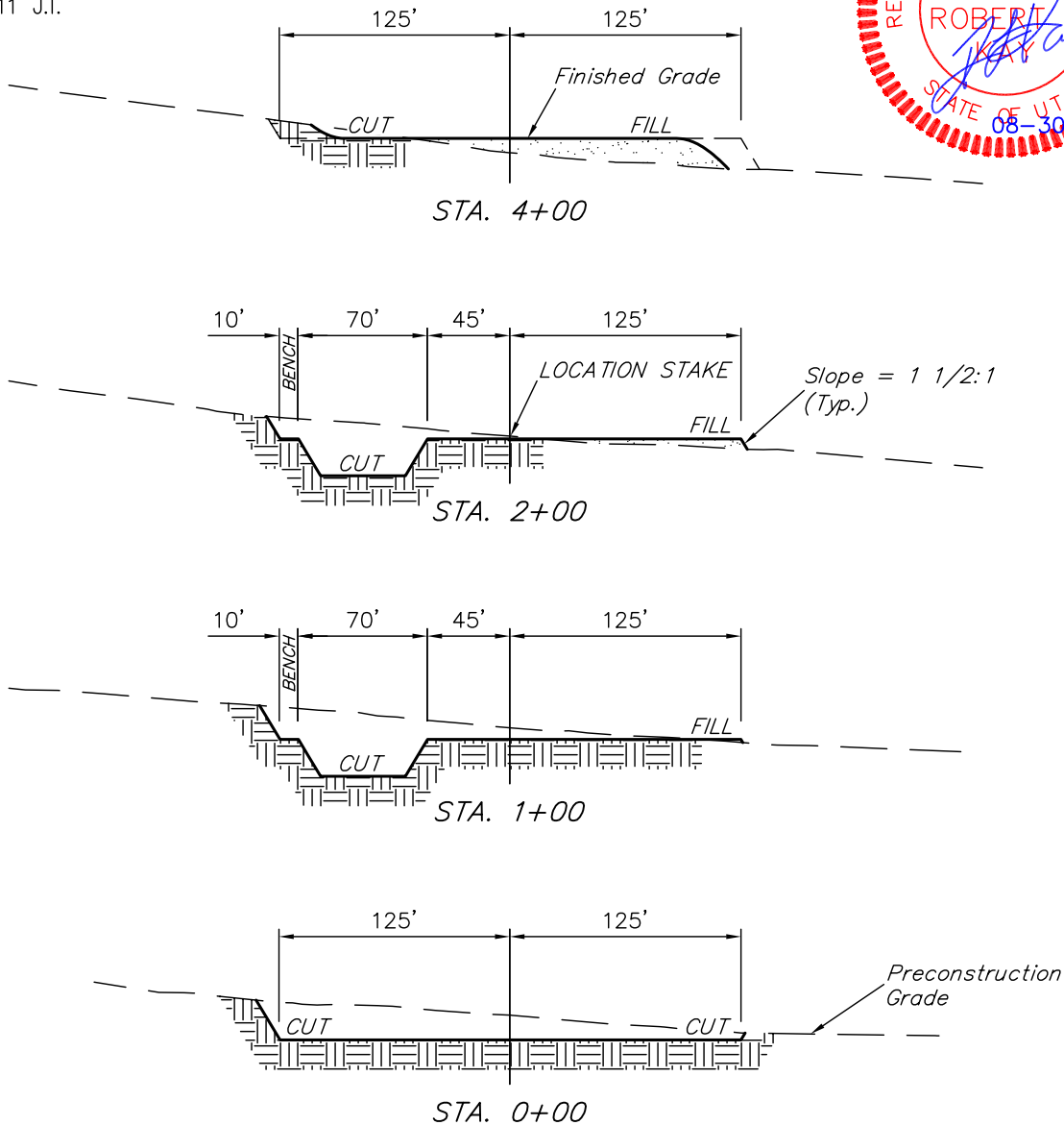
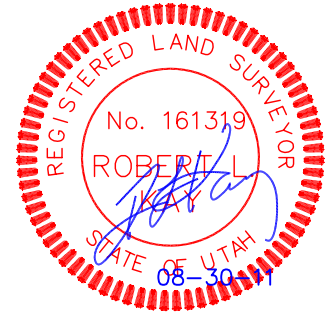
SECTION 16, T7S, R20E, S.L.B.&M.

1585' FNL 2573' FWL

FIGURE #2

X-Section
Scale
1" = 100'

DATE: 01-04-10
DRAWN BY: C.H.
REV.: 08-26-11 J.I.

**NOTE:**

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.099 ACRES
ACCESS ROAD DISTURBANCE = ± 0.384 ACRES
PIPELINE DISTURBANCE = ± 2.409 ACRES
TOTAL = ± 5.892 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,050 Cu. Yds.
Remaining Location = 10,230 Cu. Yds.
TOTAL CUT = 12,280 CU.YDS.
FILL = 4,810 CU.YDS.

EXCESS MATERIAL = 7,470 Cu. Yds.
Topsoil & Pit Backfill = 3,980 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 3,490 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: October 26, 2011

BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

AURORA #3-16D-7-20
SECTION 16, T7S, R20E, S.L.B.&M.
1585' FNL 2573' FWL

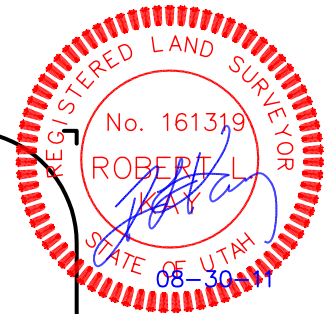
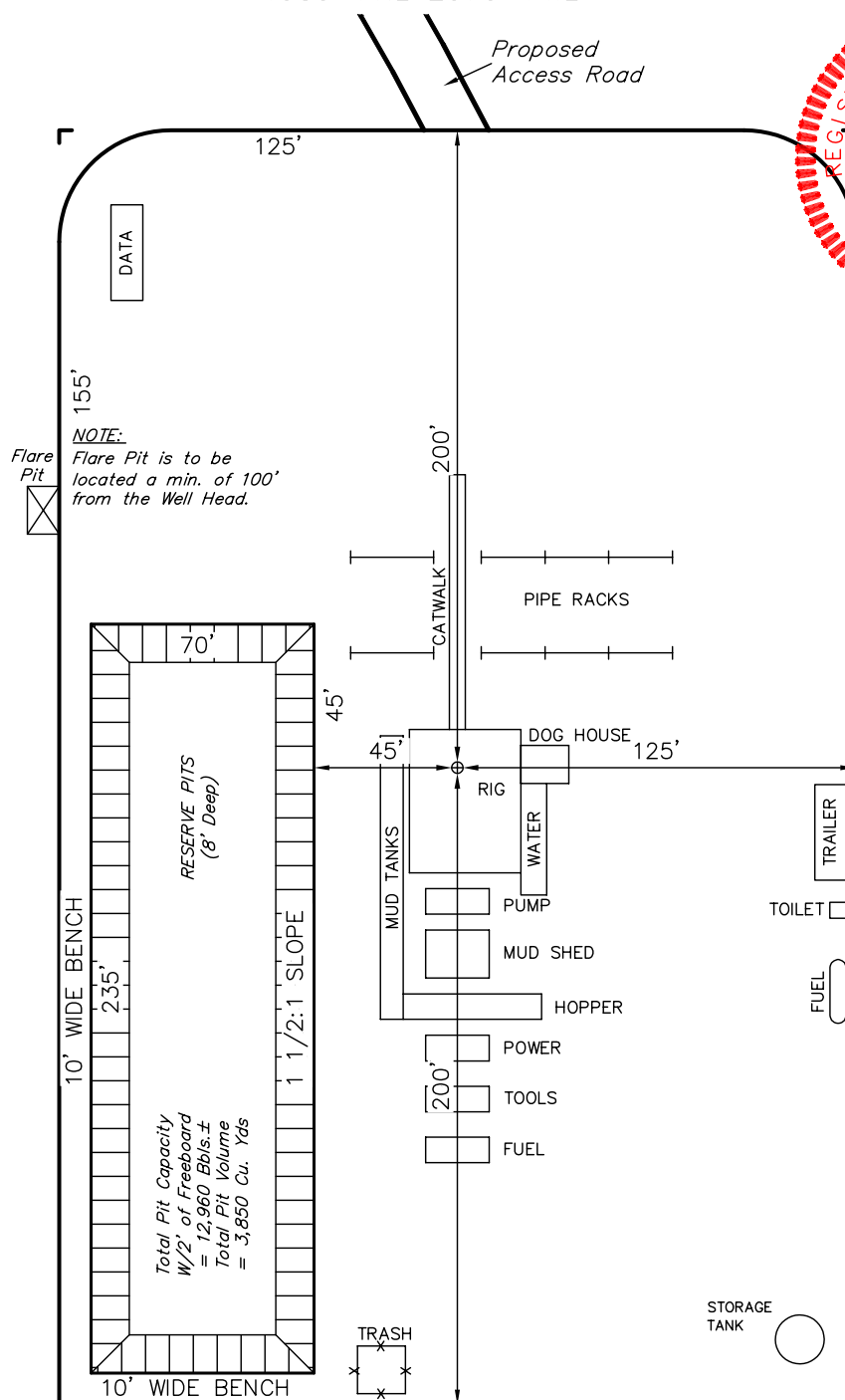
FIGURE #3

SCALE: 1" = 60'

DATE: 01-04-10

DRAWN BY: C.H.

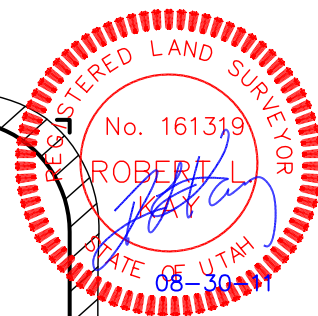
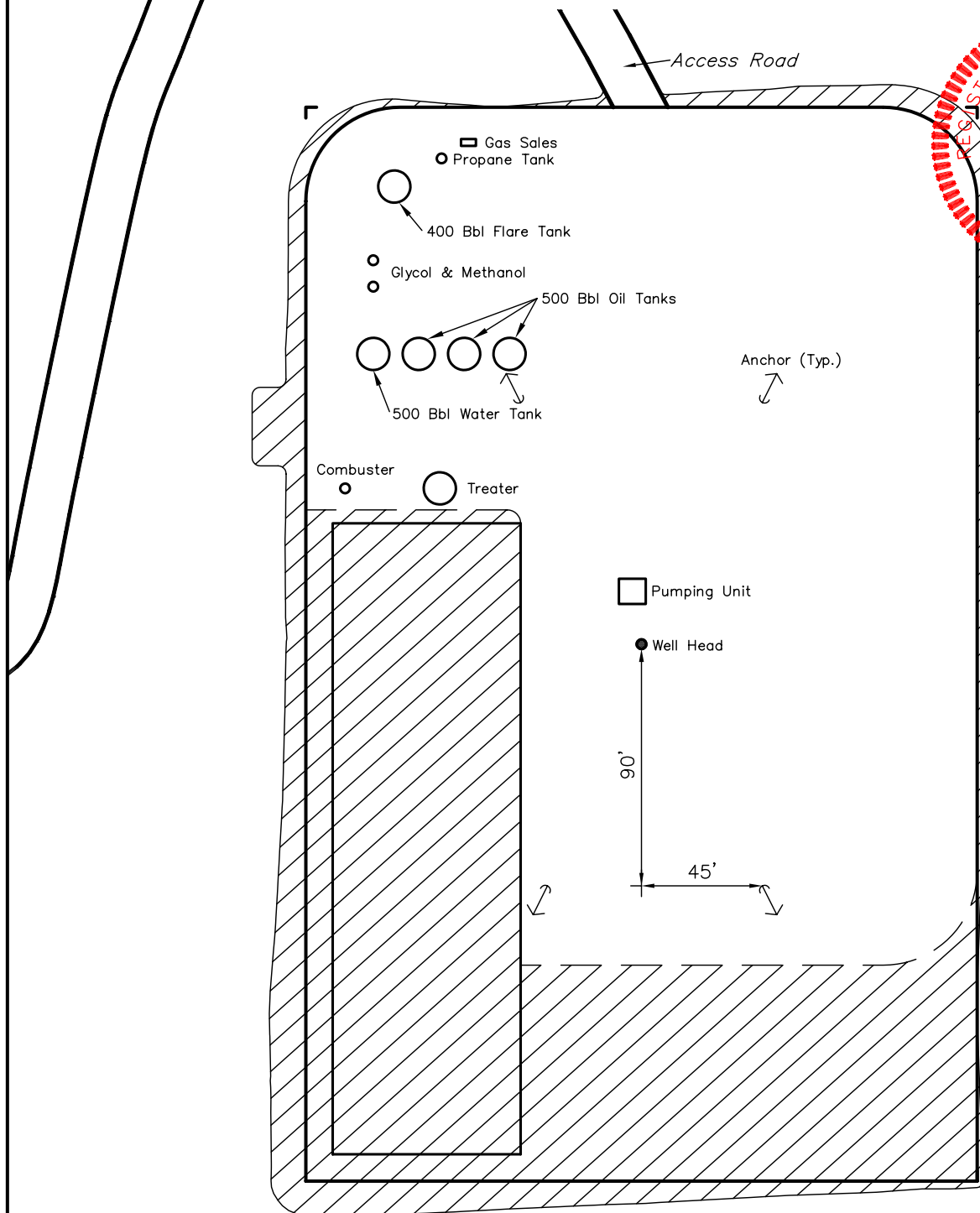
REV.: 08-26-11 J.I.



BILL BARRETT CORPORATION
INTERIM RECLAMATION PLAN FOR
AURORA #3-16D-7-20
SECTION 16, T7S, R20E, S.L.B.&M.
1585' FNL 2573' FWL

FIGURE #4

SCALE: 1" = 60'
 DATE: 08-26-11
 DRAWN BY: J.I.

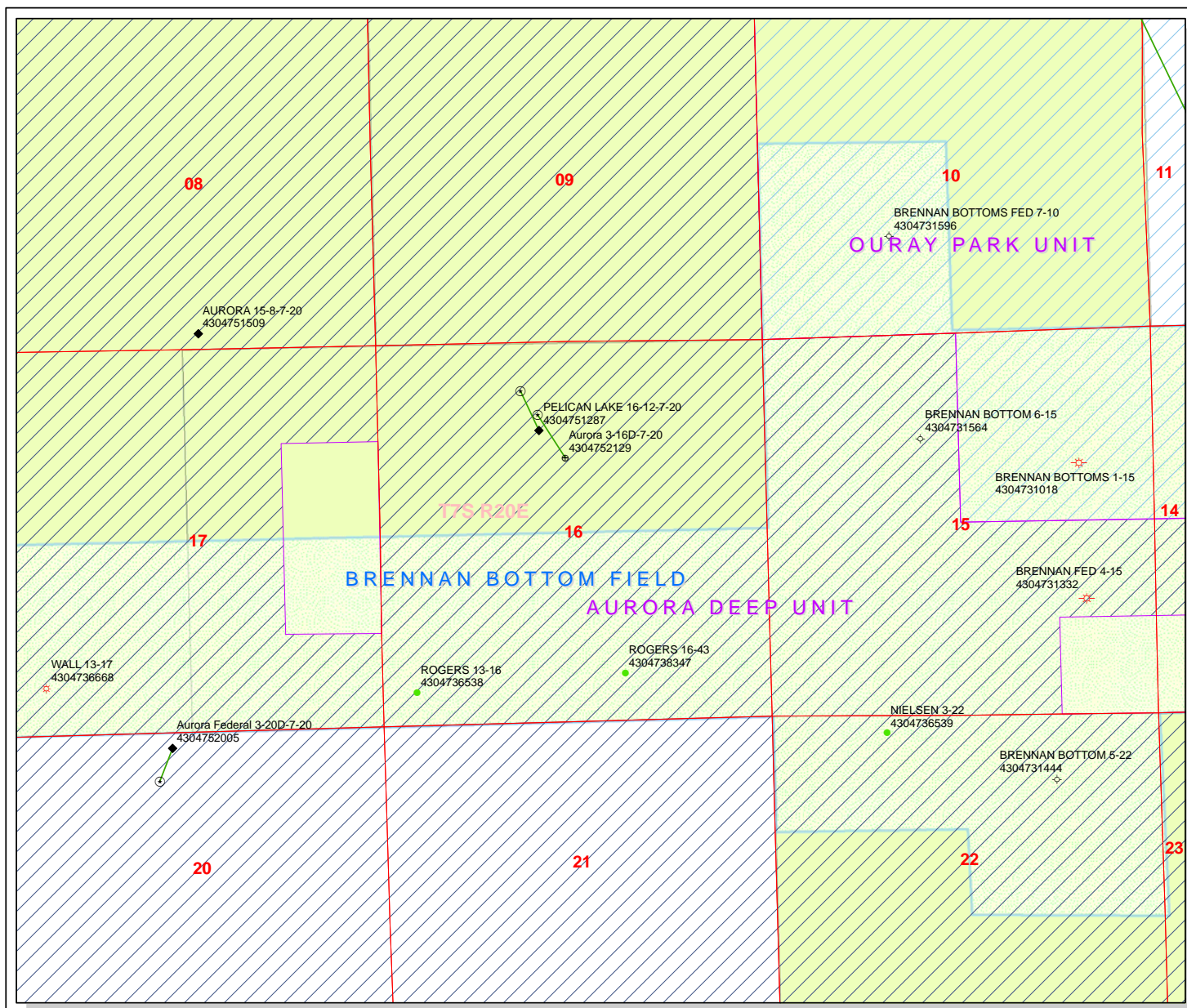


APPROXIMATE ACREAGES
 UN-RECLAIMED = ± 1.505 ACRES

 RECLAIMED AREA

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: October 26, 2011

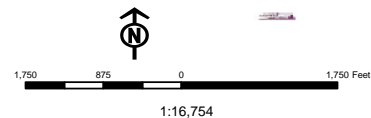
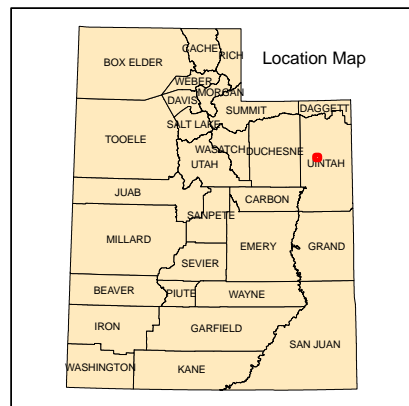


API Number: 4304752129
Well Name: Aurora 3-16D-7-20
Township T0.7 . Range R2.0 . Section 16
Meridian: SLBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERM	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
	SGW - Shut-in Gas Well
	SOW - Shut-in Oil Well
	TA - Temp. Abandoned
	TW - Test Well
	WDW - Water Disposal
	WW - Water Injection Well
	WSW - Water Supply Well

Fields STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 31, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 Plan of Development Aurora (Deep) Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2011 within the Aurora (Deep) Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER-WASATCH)		
43-047-52129	Aurora 3-16D-7-20 Sec 16 T07S R20E 1585 FNL 2573 FWL	BHL Sec 16 T07S R20E 0991 FNL 2204 FWL

Pursuant to email between Venessa Langmacher, Bill Barrett Corporation (BBC) and myself BBC will request the Application for Permit to Drill the Pelican Lake 16-12-7-20, 43-047-51287, be rescinded. This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov,
c=US
Date: 2011.10.31 08:10:42 -06'00'

bcc: File - Aurora Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-31-11

RECEIVED: November 01, 2011

Received: October 27, 2011



Bill Barrett Corporation

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio

SITE DETAILS: Aurora 3-16D-7-20

SENW, Sec 16, T7S, R20E
 1585 FNL & 2573 FWL

Site Centre Latitude: 40° 12' 49.151 N
 Longitude: 109° 40' 27.142 W

Positional Uncertainty: 0.0
 Convergence: 1.20
 Local North: True

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
3-16D TGR3	6291.0	591.0	-374.6	40° 12' 54.990 N	109° 40' 31.969 W	Rectangle (Sides: L200.0 W200.0)
3-16D PBHL	10156.0	591.0	-374.6	40° 12' 54.990 N	109° 40' 31.969 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

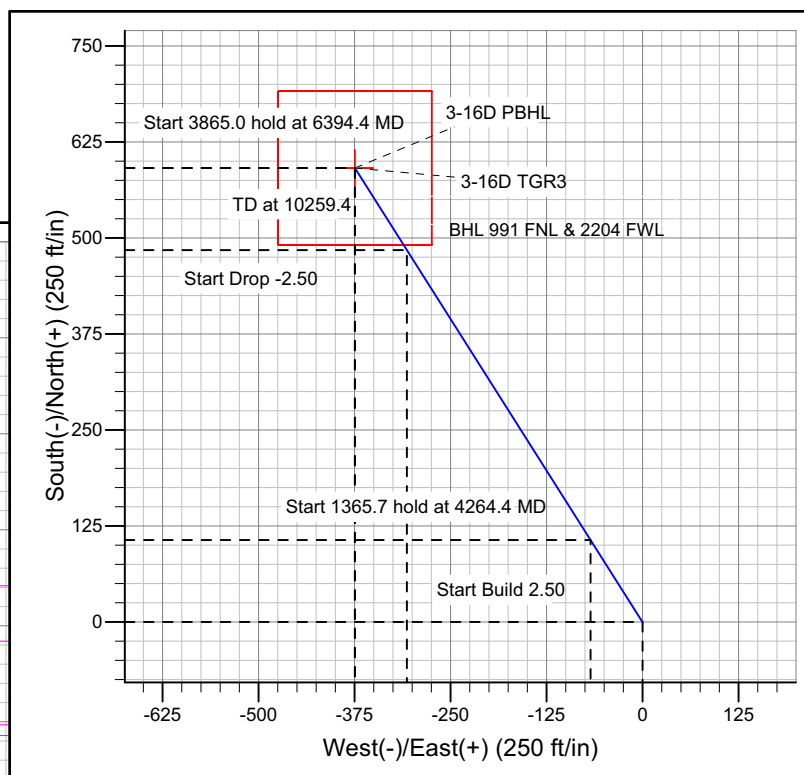
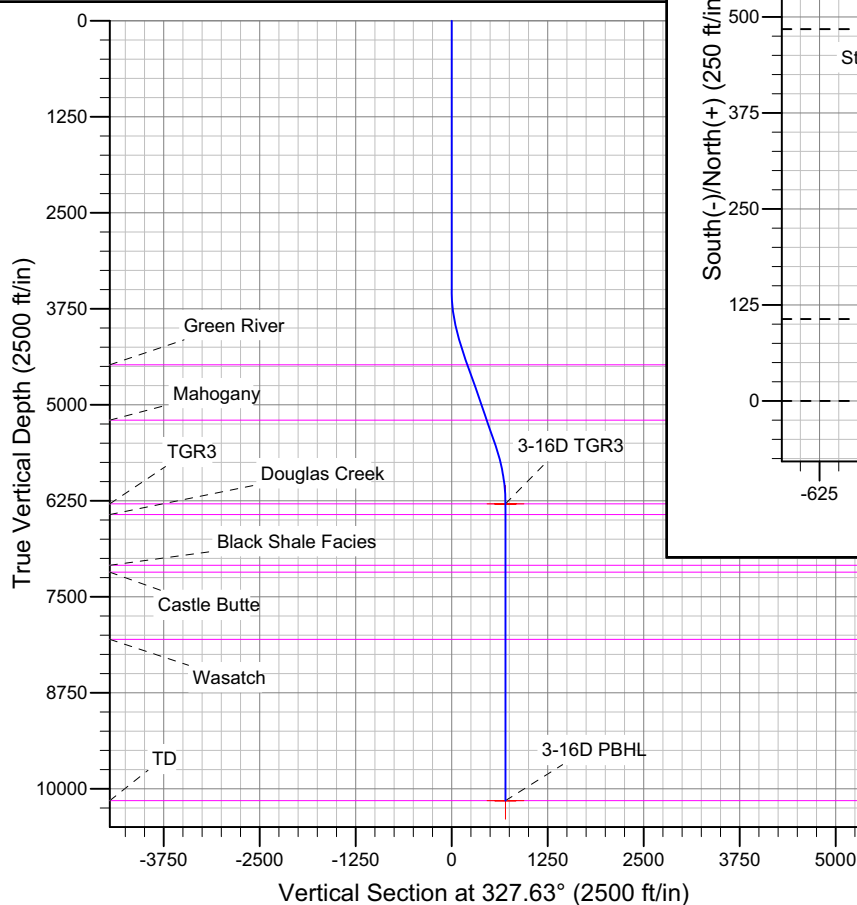
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3500.0	0.00	0.00	3500.0	0.0	0.0	0.00	0.00	0.0	
3	4264.4	19.11	327.63	4250.3	106.7	-67.6	2.50	327.63	126.3	
4	5630.1	19.11	327.63	5540.7	484.3	-307.0	0.00	0.00	573.4	
5	6394.4	0.00	0.00	6291.0	591.0	-374.6	2.50	180.00	699.7	3-16D TGR3
6	10259.4	0.00	0.00	10156.0	591.0	-374.6	0.00	0.00	699.7	3-16D PBHL

FORMATION TOP DETAILS

TVD	Path	MD	Path	Formation
4481.0		4508.5		Green River
5201.0		5270.5		Mahogany
6291.0		6394.4		TGR3
6431.0		6534.4		Douglas Creek
7091.0		7194.4		Black Shale Facies
7181.0		7284.4		Castle Butte
8056.0		8159.4		Wasatch
0156.0		10259.4		TD

CASING DETAILS

No casing data is available



Azimuths to True North
 Magnetic North: 11.35°

Magnetic Field
 Strength: 52595.8snT
 Dip Angle: 66.05°
 Date: 12/31/2009
 Model: IGRF200510

BOPE REVIEW BILL BARRETT CORP Aurora 3-16D-7-20 43047521290000

Well Name	BILL BARRETT CORP Aurora 3-16D-7-20 43047521290000			
String	Cond	Surf	I1	Prod
Casing Size(in)	20.000	13.375	9.625	5.500
Setting Depth (TVD)	80	500	5040	10156
Previous Shoe Setting Depth (TVD)	0	80	500	5040
Max Mud Weight (ppg)	8.8	8.8	8.8	9.8
BOPE Proposed (psi)	0	0	500	5000
Casing Internal Yield (psi)	800	2730	3950	10640
Operators Max Anticipated Pressure (psi)	5175			9.8

Calculations	Cond String	20.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	37		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	27	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	19	NO	
Required Casing/BOPE Test Pressure=		0	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

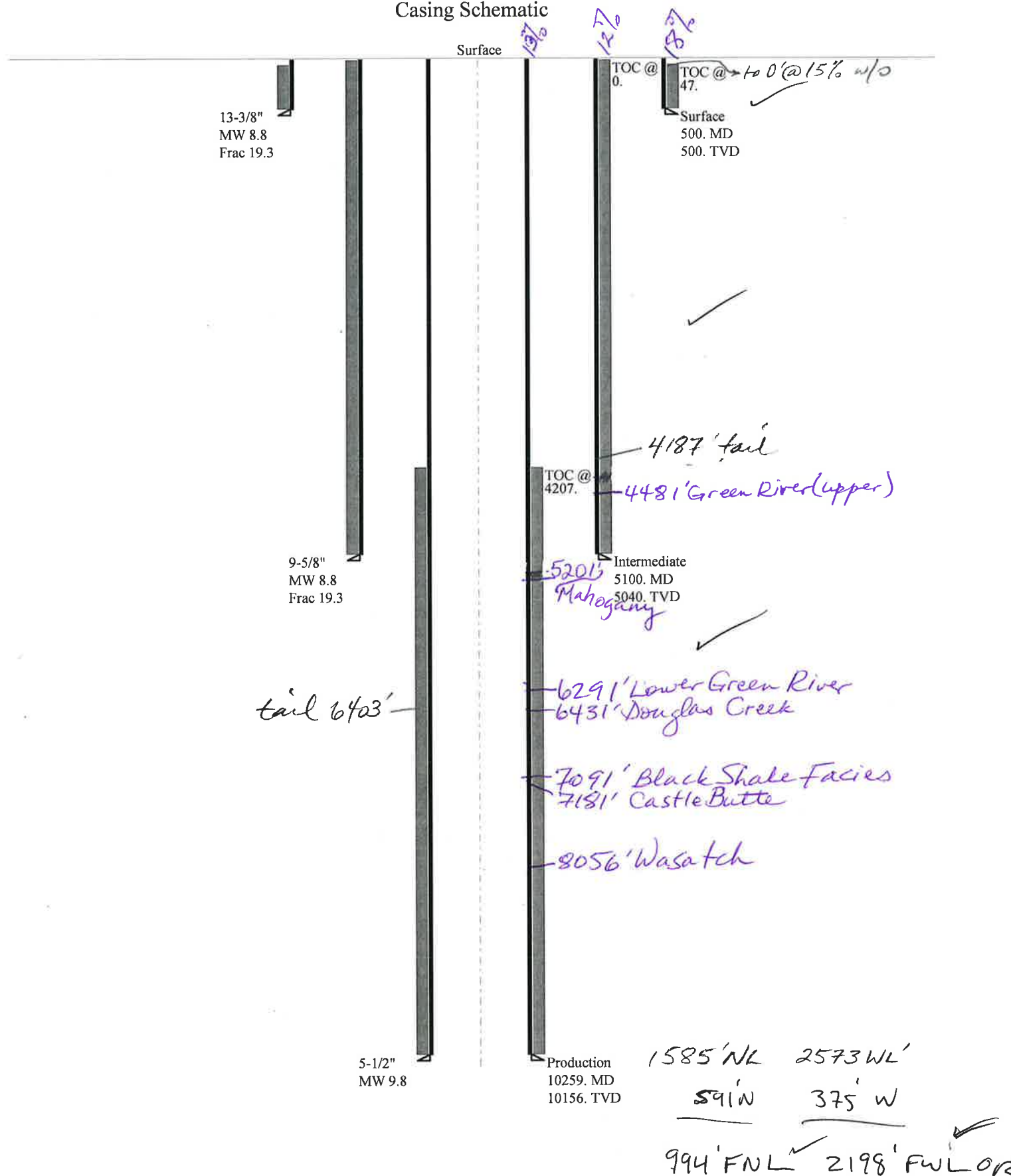
Calculations	Surf String	13.375	"	
Max BHP (psi)	.052*Setting Depth*MW=	229		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	169	NO	diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	119	NO	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	137	NO	
Required Casing/BOPE Test Pressure=		500	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient	

Calculations	I1 String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	2306		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1701	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1197	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1307	NO	Reasonable, no expected pressures
Required Casing/BOPE Test Pressure=		2765	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		500	psi *Assumes 1psi/ft frac gradient	

Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	5175		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3956	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2941	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4049	YES	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		3950	psi *Assumes 1psi/ft frac gradient	

43047521290000 Aurora 3-16D-7-20

Casing Schematic



Well name:	43047521290000 Aurora 3-16D-7-20		
Operator:	Bill Barrett Corp		
String type:	Surface	Project ID:	43-047-52129
Location:	UINTAH	COUNTY	

Design parameters:**Collapse**

Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 81 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 47 ft

Burst

Max anticipated surface pressure: 440 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 500 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 435 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 5,040 ft
Next mud weight: 8.800 ppg
Next setting BHP: 2,304 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 500 ft
Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	500	13.375	54.50	J-55	ST&C	500	500	12.49	6204

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	229	1130	4.944	500	2730	5.46	27.3	514	18.86 J

Prepared Helen Sadik-Macdonald
by: Div of Oil,Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: January 10,2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 500 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047521290000 Aurora 3-16D-7-20		
Operator:	Bill Barrett Corp		
String type:	Intermediate	Project ID:	43-047-52129
Location:	UINTAH	COUNTY	

Design parameters:**Collapse**

Mud weight: 8.800 ppg
Internal fluid density: 1.000 ppg

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 145 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,936 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,045 psi

Annular backup: 1.00 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.

Neutral point: 4,402 ft

Directional Info - Build & Drop

Kick-off point 3500 ft
Departure at shoe: 400 ft
Maximum dogleg: 2.5 °/100ft
Inclination at shoe: 19.11 °

Re subsequent strings:

Next setting depth: 10,156 ft
Next mud weight: 9.800 ppg
Next setting BHP: 5,170 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,040 ft
Injection pressure: 5,040 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5100	9.625	40.00	J-55	LT&C	5040	5100	8.75	46282

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2042	2570	1.258	3783	3950	1.04	201.6	520	2.58 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: January 10, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5040 ft, a mud weight of 8.8 ppg. An internal gradient of .052 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

43047521290000 Aurora 3-16D-7-20Operator: **Bill Barrett Corp**

String type: Production

Project ID:

43-047-52129

Location: UINTAH COUNTY

Design parameters:**Collapse**

Mud weight: 9.800 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 216 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,000 ft

Cement top: 4,207 ft

Burst

Max anticipated surface pressure:

2,936 psi

Internal gradient:

0.220 psi/ft

Calculated BHP

5,170 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.60 (B)

Directional Info - Build & Drop

Kick-off point 3500 ft

Departure at shoe: 700 ft

Maximum dogleg: 2.5 °/100ft

Inclination at shoe: 0 °

Tension is based on air weight.

Neutral point: 8,750 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10259	5.5	17.00	P-110	LT&C	10156	10259	4.767	67574
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5170	7480	1.447	5170	10640	2.06	172.6	445	2.58 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MiningPhone: 801 538-5357
FAX: 801-359-3940Date: January 10, 2012
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 10156 ft, a mud weight of 9.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION**Utah Division of Oil, Gas and Mining**

Operator BILL BARRETT CORP
Well Name Aurora 3-16D-7-20
API Number 43047521290000 **APD No** 4826 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SENW **Sec** 16 **Tw** 7.0S **Rng** 20.0E 1585 FNL 2573 FWL
GPS Coord (UTM) 612821 4452103 **Surface Owner** Pelican Lake Farms, LLC

Participants

Cody Rich (UELS), Don Hamilton (Starpoint), Matt Wold (BBC), Chris Jensen (DOGM), Terra Miller (Encore land Services), Jeff White (BBC)

Regional/Local Setting & Topography

This location sits right next to the south side of Hwy 88 at a point directly north of Pelican Lake. The well head is approximately 100 yards south of the Hwy. The lake lies approximately .65 of a mile to the south. Drainage from this site is south toward Pelican Lake. The location sits in an area use for livestock grazing but just to the south and west there is irrigated farm land.

Surface Use Plan**Current Surface Use**

Grazing
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.11	Width 250 Length 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Prairie dogs

lots of weeds, white top, russian thistle, rabbit brush

Soil Type and Characteristics

Deep sandy soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Crop land immediately below location

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit**Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5

Affected Populations

Presence Nearby Utility Conduits Not Present 0

Final Score 35 1 Sensitivity Level

Characteristics / Requirements

The reserve pit is 235ft by 70ft by 8ft deep. It is placed in a cut stable location. Bill Barrett typically uses a 20 mil liner and this will be adequate for this site.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Richard Powell
Evaluator

12/8/2011
Date / Time

Application for Permit to Drill Statement of Basis

2/21/2012

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4826	43047521290000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Pelican Lake Farms, LLC	
Well Name	Aurora 3-16D-7-20		Unit	AURORA (DEEP)	
Field	UNDESIGNATED		Type of Work	DRILL	
Location	SENW 16 7S 20E S 1585 FNL 2573 FWL GPS Coord (UTM) 612760E 4452306N				

Geologic Statement of Basis

Bill Barrett proposes to set 500 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 380 feet. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the proposed location. The nearest well is more than 1/2 mile from the proposed location with a depth of 47 feet. Wells in the area are listed for domestic use, irrigation, oil field use and stock watering. Depths of the wells ranges from 16 to 300 feet. Listed wells probably produce from alluvial sediments and the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Wells in the alluvial sediments are probably a more significant source of ground water. The proposed casing and cement should adequately protect any useable ground water.

 Brad Hill
APD Evaluator

 12/19/2011
Date / Time
Surface Statement of Basis

This location is on fee land with fee minerals. The surface owner Harrison Cox was invited but chose not to attend. Mr Cox asked that access to his farm land adjacent to the location be maintained. Mr. Wold of Bill Barrett stated that this would be done. A surface use agreement is in place, and the well was placed in consultation with Mr. Cox to avoid disturbing irrigated farm land. Also, according to land consultant Terra Miller, UDOT stated that this site was OK and the access road placement was OK for Hwy safety. This appears to be a good site for placement of this well. Bill Barrett representative Jeff Wold stated that a 20 mil liner will be used and this appears adequate for this site.

 Richard Powell
Onsite Evaluator

 12/8/2011
Date / Time
Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/26/2011

API NO. ASSIGNED: 43047521290000

WELL NAME: Aurora 3-16D-7-20

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SENW 16 070S 200E

Permit Tech Review: ☒

SURFACE: 1585 FNL 2573 FWL

Engineering Review: ☒

BOTTOM: 0991 FNL 2204 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.21359

LONGITUDE: -109.67488

UTM SURF EASTINGS: 612760.00

NORTHINGS: 4452306.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - LPM4138148☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 49-2336☐ RDCC Review:☒ Fee Surface Agreement☒ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: AURORA (DEEP)

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason
3 - Commingle - ddoucet
5 - Statement of Basis - bhill
15 - Directional - dmason
23 - Spacing - dmason

RECEIVED: February 21, 2012



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Aurora 3-16D-7-20
API Well Number: 43047521290000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 2/21/2012

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Commingle:

Administrative approval for commingling the production from the Green River formation and the Wasatch formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels
OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact

Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/1/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Approximately 3523' of pipeline corridor (See Topo D) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southerly until reaching the tie in point at the Rodgers 16-43 location. Pipelines would be constructed of steel, polyethylene or fiberglass. The pipeline crosses entirely fee surface with surface use agreements in place (see attached).		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 05, 2012		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 2/27/2012



Entry 2011007111
Book 1250 Page 179**AMENDMENT AND RATIFICATION OF SURFACE USE AGREEMENT**State of Utah)(
)(
County of Uintah)(Entry 2011007111
Book 1250 Page 179-180 \$12.00
06-OCT-11 03:13
RANDY SIMMONS
RECORDER, UTAH COUNTY, UTAH
ENCORE LAND SERVICES INC
PO BOX 1729 VERNAL, UT 84078
Rec By: HEATHER COON , DEPUTY**Pelican Lake Farms, LLC of P.O.**

Box 833, Meeker, CO 80202 has granted a Surface Use Agreement, to **Elk Resources, LLC of 1401 17th Street, Suite 700, Denver, CO 80202**, hereafter referred to as "Elk", dated **July 20, 2010**, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from **Pelican Lake 16-12-7-20** on the following lands (the "Lands") in Uintah County Utah: **A tract of land lying in the NE/4NW/4 of Section 16, Township 7 South, Range 20 East, SLM, Uintah County.**

In a Memorandum of Surface Use Agreement, effective 07/20/2010, recorded 10/28/2010 in Book 1210, Page 225, Uintah County Records, Utah, the name of the well is listed as **Pelican Lake 16-12-7-20**. This Amendment and Ratification of Surface Use Agreement is placed of record for the purpose of changing the name of the well to be **Aurora 3-16D-7-20**; changing the description of the tract of land to which the well will be placed, being **a tract of land lying in the SE/4NW/4 and the SW/4NE/4 of Section 16, Township 7 South, Range 20 East, SLM, Uintah County**; changing the name of the Operator from Elk Resources, LLC of 1401 17th Street, Suite 700, Denver, CO 80202 to **Bill Barrett Corporation** of 1099 18th Street, Denver, CO 80202.

In a Warranty Deed, dated 03/30/2011, recorded 30/31/2011 in Book 1228, Page 456, Uintah County Records, Utah, Pelican Lake Farms, LLC, a Colorado Limited Liability Company conveyed the Lands to **Cox Brothers Farms, Inc., an Idaho corporation.**

NOW THEREFORE, the undersigned does hereby adopt, ratify and confirm the said Surface Use Agreement as to all of the terms and provisions therein. The undersigned hereby further declares that the said Surface Use Agreement in all of its terms and provisions is a valid and subsisting Surface Use Agreement, and declares that said Surface Use Agreement is binding upon the undersigned and the undersigned's successors and assigns.

The Surface Use Agreement is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 5 day of October, 2011.

SURFACE OWNER:

Cox Brothers Farms, Inc., an Idaho corporation

Gary L. Cox
Gary L. Cox,
President and Director

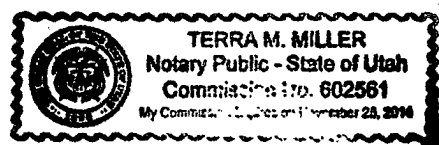
W. Harrison Cox
W. Harrison Cox,
Vice-President and Director

ACKNOWLEDGEMENT

STATE OF Utah }
 } :SS
 COUNTY OF Uintah }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 5th day of October, 2011, personally appeared Gary L. Cox, President and Director of Cox Brothers Farms, Inc., known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Terra M. Miller
 Notary Public

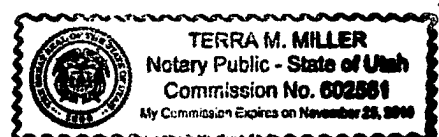


ACKNOWLEDGEMENT

STATE OF Utah }
 } :SS
 COUNTY OF Uintah }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 5th day of October, 2011, personally appeared W. Harrison Cox, President and Director of Cox Brothers Farms, Inc., known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Terra M. Miller
 Notary Public



ACKNOWLEDGEMENT

STATE OF Utah)
COUNTY OF Uintah) SS

On the 5th day of October, 2011, before me the undersigned authority, appeared **Gary L. Cox**, to me personally known, who, being sworn, did say that they are the President and Director for Cox Brothers Farms, Inc., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



Terra M. Miller
Notary Public for the State of

Residing at Vernal, UT 84078

ACKNOWLEDGEMENT

STATE OF Utah)
COUNTY OF Uintah) SS

On the 5th day of October, 2011, before me the undersigned authority, appeared **W. Harrison Cox**, to me personally known, who, being sworn, did say that they are the Vice-President and Director for Cox Brothers Farms, Inc., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



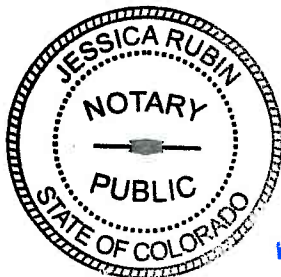
Terra M. Miller
Notary Public for the State of

Residing at Vernal, UT 84078

ACKNOWLEDGEMENT

STATE OF Colorado)
COUNTY OF Denver) SS

On the 5th day of October, 2011, before me the undersigned authority, appeared **Huntington T. Walker**, to me personally known, who, being sworn, did say that they are the SVP Land for Aurora Gathering, LLC, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



Jessica Rubin
Notary Public for the State of Colorado

Residing at Denver, 80202
my commission expires 4/29/13.

PIPELINE RIGHT-OF-WAY AGREEMENT

Entry 2011006769
Book 1248 Page 694

STATE OF UTAH }
 } SS
COUNTY OF }

Ivan and Afton Rogers whose address is HC 69 Box 200, Randlett, UT 84063-9718

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to **Aurora Gathering, LLC** of **1099 18th Street, #2300, Denver, CO 80202** ("GRANTEE"), its successors or assigns, a right-of-way to construct, maintain and use a pipeline along with the right to alter, inspect, repair, replace, change the size of, operate, and remove a pipeline and from time to time add additional pipeline or multiple pipelines, drips, valves, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said lands for any purpose necessary or incidental to the operating and maintaining said pipeline or pipelines owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in **Uintah** County, State of Utah, to-wit:

Township 7 South, Range 20 East, SLM
Section 16: SW/4SE/4

As further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns

Grantee to have the right to select, change or alter the routes of all pipelines herein authorized to be laid under, upon, over and through the above described premises. Grantor shall not place anything over or so close to any pipeline or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the pipelines and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty (60) feet in width for construction and Twenty-five (25) feet for the permanent easement. Pipelines and disturbed ground to be reseeded at recommended seeding rates per Grantor once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Aurora Gathering, LLC**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee following completion of the pipeline, at which time Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 25th day of January, 2011.

Ivan Rogers
GRANTOR:

Ivan Rogers
Ivan Rogers

GRANTEE:
Aurora Gathering, LLC

Afton Rogers
Afton Rogers

Entry 2011006769
Book 1248 Page 694 ~~696~~ \$14.00
22-SEP-11 01:20
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
BILL BARRETT
1099 18TH STREET #2300 DENVER, CO 8
Rec By: DEBRA ROOKS , DEPUTY

Huntington T. Walker
Huntington T. Walker, SVP Land TJ4

ACKNOWLEDGEMENT

STATE OF Utah)
COUNTY OF Utah) SS

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 25th day of August 2011, personally appeared **Ivan and Afton Rogers**, to me known to be the identical persons who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

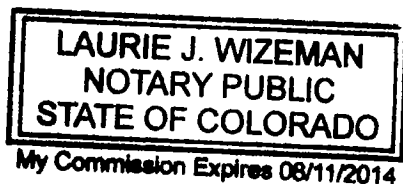


Terra M. Miller
Notary Public

ACKNOWLEDGEMENT

STATE OF Colorado)
COUNTY OF Denver) SS

On the 25th day of August, 2011, before me the undersigned authority, appeared Huntington T. Walker, SVP Land for Aurora Gathering, LLC, to me personally known, who, being sworn, did say that they are the SVP - Land, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.

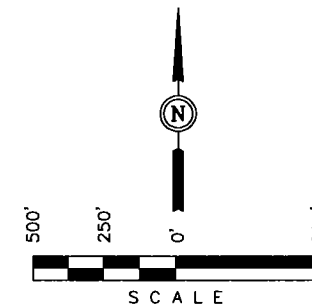


Laurie J. Wizeman
Notary Public for the State of

Residing at 1099 18th St. Suite 2300
Denver CO 80202

BILL BARRETT CORPORATION
PIPELINE RIGHT-OF-WAY
ON FEE LANDS
 (For AURORA #3-16D-7-20)

LOCATED IN
 SECTION 16, T7S, R20E, S.L.B.&M.,
 UTAH COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

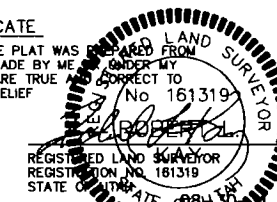
RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
PELICAN LAKE FARMS LLC	2246.26	1.547	136.14
IVAN ROGERS	1251.31	0.862	75.84

▲ = SECTION CORNERS LOCATED

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
 THE BEST OF MY KNOWLEDGE AND BELIEF



UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH - 200 EAST • (435) 789-1017
 VERNAL, UTAH - 84078

SCALE 1" = 500'	DATE 08-26-11
PARTY C R S R J.I	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE 5 1 0 3 1

PIPELINE RIGHT-OF-WAY DESCRIPTION
ON PELICAN LAKE FARMS LLC LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING
 DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 16,
 T7S, R20E, S.L.B.&M. WHICH BEARS N72°16'39"W 2722.90' FROM
 THE EAST 1/4 CORNER OF SAID SECTION 16, THENCE S31°53'35"W
 232.34'; THENCE S20°39'33"E 157.10'; THENCE S15°59'33"E
 186.54'; THENCE S10°23'13"E 190.96', THENCE S03°18'04"E
 190.45'; THENCE S03°52'48"W 480.11'; THENCE S16°17'46"W
 130.84'; THENCE S00°21'36"E 677.77' TO A POINT ON THE SOUTH
 LINE OF THE NW 1/4 SE 1/4 OF SAID SECTION 16 WHICH BEARS
 N64°21'57"W 2955.18' FROM THE SOUTHEAST CORNER OF SAID
 SECTION 16. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY
 BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S
 PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION.
 CONTAINS 1.547 ACRES MORE OR LESS.

NE 1/4

LINE	DIRECTION	LENGTH
L1	S53°57'36"E	24.99'
L2	S31°53'35"W	232.49'
L3	S20°39'33"E	157.10'
L4	S15°59'33"E	186.54'
L5	S10°23'13"E	190.96'
L6	S03°18'04"E	190.45'
L7	S03°52'48"W	480.11'
L8	S16°17'46"W	130.84'
L9	S00°21'36"E	677.77'
L10	S00°21'36"E	36.10'
L11	S89°12'10"E	406.58'
L12	S03°38'01"E	739.60'
L13	N89°10'41"E	69.02'

**Pelican Lake
 Farms LLC**

SE 1/4

**Ivan
 Rogers**

END OF PROPOSED
 PIPELINE RIGHT-OF-WAY
 STA. 34+97.57
 (At Edge of Existing
 Rogers #16-43 Pad)

Existing Rogers #16-43 Pad

NW Cor Sec 16
 Private Plastic Cap,
 PLS #161250

NE Cor Sec 16
 Private Plastic Cap,
 PLS #161250

1/16 Section Line

NW 1/4

BEGINNING OF PROPOSED
 PIPELINE RIGHT-OF-WAY
 STA. 0+00
 (At Edge of Surface Use Area)

**Pelican Lake
 Farms LLC**

**Pelican Lake
 Farms LLC**

1/4 Section Line

Sec. 16

PIPELINE RIGHT-OF-WAY DESCRIPTION
ON IVAN ROGERS LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING
 DESCRIBED CENTERLINE

BEGINNING AT A POINT ON THE NORTH LINE OF THE SW 1/4 SE 1/4
 OF SECTION 16, T7S, R20E, S.L.B.&M. WHICH BEARS N64°21'57"W
 2955.18' FROM THE SOUTHEAST CORNER OF SAID SECTION 16,
 THENCE S00°21'36"E 36.10'; THENCE S89°12'10"E 406.58'; THENCE
 S03°38'01"E 739.60', THENCE N89°10'41"E 69.02' TO A POINT IN THE
 SW 1/4 SE 1/4 OF SAID SECTION 16 WHICH BEARS N76°52'09"W
 2199.16' FROM THE SOUTHEAST CORNER OF SAID SECTION 16. THE
 SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR
 ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF
 BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.862 ACRES MORE
 OR LESS.

SW 1/4

Section Corner
 Re-Established using
 Reference Markers

BEGINNING OF PIPELINE STA. 0+00 BEARS
 N72°16'39"W 2722.90' FROM THE EAST 1/4
 CORNER OF SECTION 16, T7S, R20E, S.L.B.&M.

P.O.P.L. 22+46.26 BEARS N64°21'57"W 2955.18'
 FROM THE SOUTHEAST CORNER OF SECTION 16,
 T7S, R20E, S.L.B.&M.

END OF PIPELINE STA. 34+97.57 BEARS N76°52'09"W
 2199.16' FROM THE SOUTHEAST CORNER OF SECTION
 16, T7S, R20E, S.L.B.&M.

Section Corner
 Re-Established using
 Grant Boundary Method

Section Line

S89°16'40"W - 2669.27' (Meas.)

S89°14'41"W - 2666.63' (Meas.)

N00°39'22"W - 2629.10' (Meas.)

N00°09'32"W - 1330.17' (Meas.)

S00°32'05"E - 1288.46' (Meas.)

(Meas.) 5537.50' - 32135.005

(Meas.) 2633.73' - 3454.54005

Carol Daniels - Spud Notice: Aurora 3-16D-7-20

T 075 R 20 F 5-16 43-047-52129

From: Venessa Langmacher <vlangmacher@billbarrettcorp.com>
To: "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" ...
Date: 4/2/2012 8:10 AM
Subject: Spud Notice: Aurora 3-16D-7-20
CC: Tracey Fallang <tfallang@billbarrettcorp.com>, Venessa Langmacher <vlang...

Please take this as notice that Triple A Drilling plans to spud the Aurora 3-16D-7-20 on April 3, 2012 at 9:00 am.

Thanks,

Venessa Langmacher

Senior Permit Analyst

BILL BARRETT CORPORATION

1099 18th Street | Suite 2300

Denver, CO 80202

D 303.312.8172 | F 303.291.0420

vlangmacher@billbarrettcorp.com

www.billbarrettcorp.com



Bill Barrett Corporation

RECEIVED

APR 02 2012

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752129	Aurora 3-16D-7-20		SENW	16	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18483	4/3/2012		4/23/12		
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. <u>BHL new WSTC</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A** - Establish new entity for new well (single well only)
- B** - Add new well to existing entity (group or unit well)
- C** - Re-assign well from one existing entity to another existing entity
- D** - Re-assign well from one existing entity to a new entity
- E** - Other (Explain in 'comments' section)

RECEIVED

APR 11 2012

Div. of Oil, Gas & Mining

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

4/9/2012

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
2. NAME OF OPERATOR: ELK PRODUCTION UINTAH, LLC		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047521290000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2012			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well spud this month; no other April 2012 monthly drilling activity to report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 15, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 5/3/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/1/2012	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 BBC plans to drill this well shallower than originally permitted (new TD 8800'). We would like to revise the well design based on a shallower TD and BBC's recent drilling in the area on the FD 9-36-6-19, FD 11-36-6-19, Aurora 15-28D-7-20 and Aurora 3-20D-7-20, along with the recent drilling results on the 4 offset Axia wells. Please see revised casing and cementing programs and directional plan attached.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: May 30, 2012

By: *Derek Duff*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 5/1/2012	

Casing Program

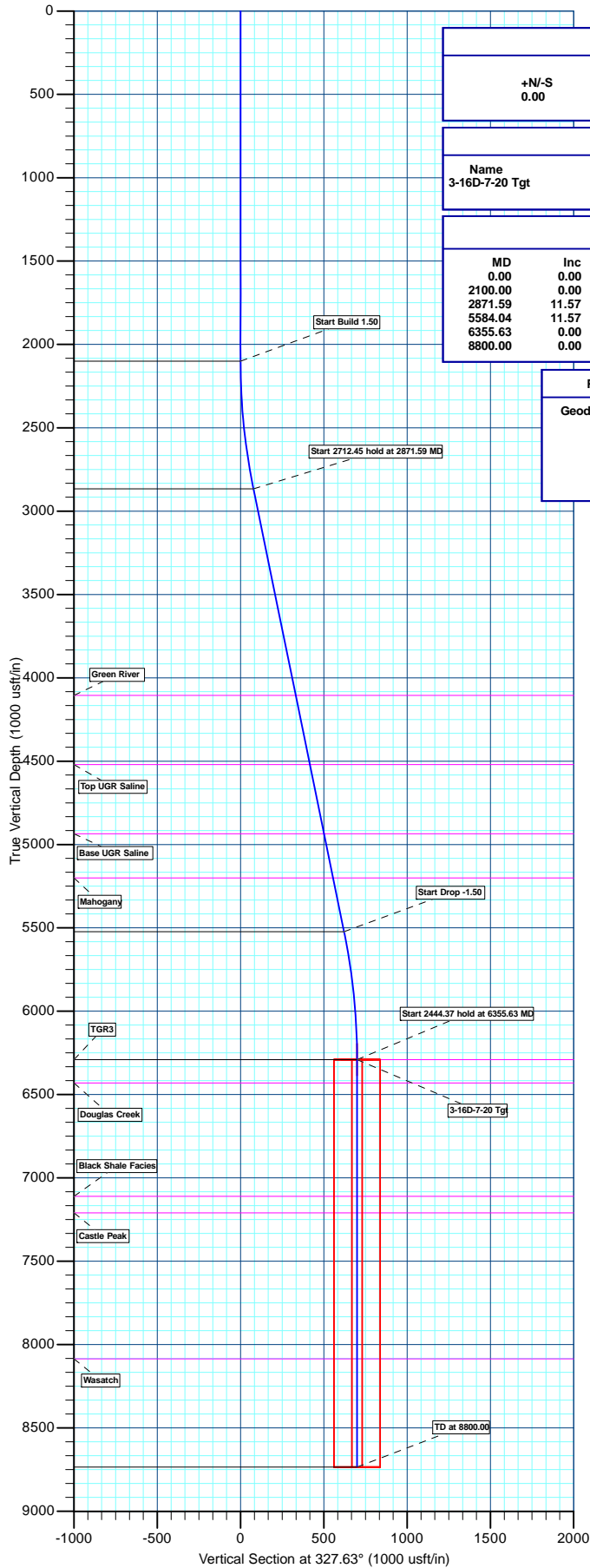
<u>Hole Size</u>	<u>SETTING DEPTH</u> <u>(FROM)</u> <u>(TO)</u>		<u>Casing</u> <u>Size</u>	<u>Casing</u> <u>Weight</u>	<u>Casing</u> <u>Grade</u>	<u>Thread</u>	<u>Condition</u>
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 1,000'
5 1/2" Production Casing	Lead: 940 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,000' Tail: 570 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6,675'



Bill Barrett Corp.
Project: Uintah Co., UT (NAD27)
Site: Sec.16-T7S-R20E
Well: Aurora #3-16D-7-20
Wellbore: Wellbore #1
Design: Design #1
Latitude: 40° 12' 49.151 N
Longitude: 109° 40' 27.142 W
Ground Level: 4881.00
WELL @ 4905.00usft



WELL DETAILS: Aurora #3-16D-7-20

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	690073.198	2509859.734	4881.00	40° 12' 49.151 N	109° 40' 27.142 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
3-16D-7-20 Tgt	6290.00	590.84	-374.50	40° 12' 54.990 N	109° 40' 31.969 W	Rectangle (Sides: L200.00 W200.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
2871.59	11.57	327.63	2866.35	65.60	-41.58	1.50	327.63	77.67	Start 2712.45 hold at 2871.59 MD
5584.04	11.57	327.63	5523.65	525.25	-332.92	0.00	0.00	621.87	Start Drop -1.50
6355.63	0.00	0.00	6290.00	590.84	-374.50	1.50	180.00	699.53	Start 2444.37 hold at 6355.63 MD
8800.00	0.00	0.00	8734.37	590.84	-374.50	0.00	0.00	699.53	TD at 8800.00

PROJECT DETAILS: Uintah Co., UT (NAD27)

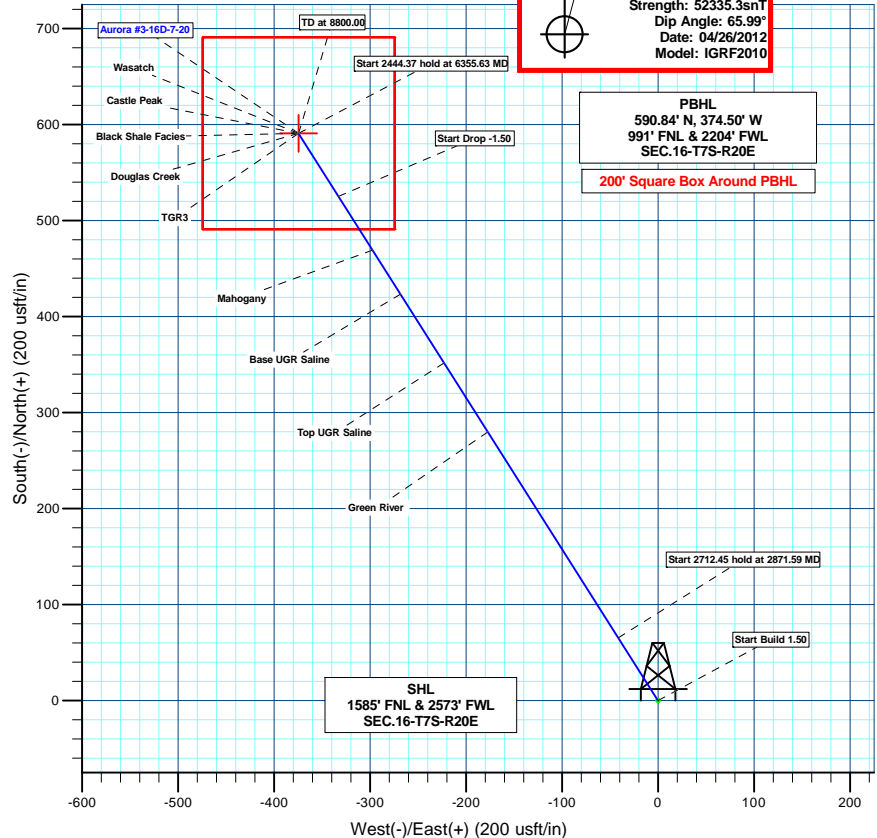
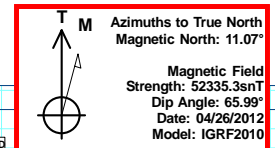
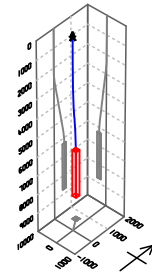
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302
System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Aurora #3-16D-7-20, True North
Vertical (TVD) Reference: WELL @ 4905.00usft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 4905.00usft
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4105.00	4135.94	Green River
4520.00	4559.56	Top UGR Saline
4935.00	4983.17	Base UGR Saline
5200.00	5253.67	Mahogany
6290.00	6355.63	TGR3
6430.00	6495.63	Douglas Creek
7110.00	7175.63	Black Shale Facies
7209.00	7274.63	Castle Peak
8085.00	8150.63	Wasatch



PBHL
590.84' N, 374.50' W
991' FNL & 2204' FWL
SEC.16-T7S-R20E
200' Square Box Around PBHL

SHL
1585' FNL & 2573' FWL
SEC.16-T7S-R20E

Plan: Design #1 (Aurora #3-16D-7-20/Wellbore #1)

Created By: BRET WOLFORD Date: 10:45, April 26 2012



Sharewell Energy Services, LP
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora #3-16D-7-20
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4905.00usft
Project:	Uintah Co., UT (NAD27)	MD Reference:	WELL @ 4905.00usft
Site:	Sec.16-T7S-R20E	North Reference:	True
Well:	Aurora #3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Uintah Co., UT (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sec.16-T7S-R20E				
Site Position:		Northing:	690,073.202 usft	Latitude:	40° 12' 49.151 N
From:	Lat/Long	Easting:	2,509,859.734 usft	Longitude:	109° 40' 27.142 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	1.17 °

Well	Aurora #3-16D-7-20					
Well Position	+N/-S	0.00 usft	Northing:	690,073.198 usft	Latitude:	40° 12' 49.151 N
	+E/-W	0.00 usft	Easting:	2,509,859.734 usft	Longitude:	109° 40' 27.142 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,881.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/26/12	11.07	65.99	52,335

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	6,290.00	0.00	0.00	327.63

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,871.59	11.57	327.63	2,866.35	65.60	-41.58	1.50	1.50	0.00	327.63	
5,584.04	11.57	327.63	5,523.65	525.25	-332.92	0.00	0.00	0.00	0.00	
6,355.63	0.00	0.00	6,290.00	590.84	-374.50	1.50	-1.50	0.00	180.00	3-16D-7-20 Tgt
8,800.00	0.00	0.00	8,734.37	590.84	-374.50	0.00	0.00	0.00	0.00	



Sharewell Energy Services, LP
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora #3-16D-7-20
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4905.00usft
Project:	Uintah Co., UT (NAD27)	MD Reference:	WELL @ 4905.00usft
Site:	Sec.16-T7S-R20E	North Reference:	True
Well:	Aurora #3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.50									
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	1.50	327.63	2,199.99	1.11	-0.70	1.31	1.50	1.50	0.00
2,300.00	3.00	327.63	2,299.91	4.42	-2.80	5.23	1.50	1.50	0.00
2,400.00	4.50	327.63	2,399.69	9.95	-6.30	11.77	1.50	1.50	0.00
2,500.00	6.00	327.63	2,499.27	17.67	-11.20	20.92	1.50	1.50	0.00
2,600.00	7.50	327.63	2,598.57	27.60	-17.49	32.68	1.50	1.50	0.00
2,700.00	9.00	327.63	2,697.54	39.72	-25.18	47.03	1.50	1.50	0.00
2,800.00	10.50	327.63	2,796.09	54.02	-34.24	63.96	1.50	1.50	0.00
Start 2712.45 hold at 2871.59 MD									
2,871.59	11.57	327.63	2,866.35	65.60	-41.58	77.67	1.50	1.50	0.00
2,900.00	11.57	327.63	2,894.19	70.41	-44.63	83.37	0.00	0.00	0.00
3,000.00	11.57	327.63	2,992.15	87.36	-55.37	103.43	0.00	0.00	0.00
3,100.00	11.57	327.63	3,090.12	104.31	-66.11	123.49	0.00	0.00	0.00
3,200.00	11.57	327.63	3,188.09	121.25	-76.85	143.56	0.00	0.00	0.00
3,300.00	11.57	327.63	3,286.05	138.20	-87.59	163.62	0.00	0.00	0.00
3,400.00	11.57	327.63	3,384.02	155.14	-98.33	183.68	0.00	0.00	0.00
3,500.00	11.57	327.63	3,481.99	172.09	-109.08	203.74	0.00	0.00	0.00
3,600.00	11.57	327.63	3,579.95	189.03	-119.82	223.81	0.00	0.00	0.00
3,700.00	11.57	327.63	3,677.92	205.98	-130.56	243.87	0.00	0.00	0.00
3,800.00	11.57	327.63	3,775.89	222.93	-141.30	263.93	0.00	0.00	0.00
3,900.00	11.57	327.63	3,873.85	239.87	-152.04	284.00	0.00	0.00	0.00
4,000.00	11.57	327.63	3,971.82	256.82	-162.78	304.06	0.00	0.00	0.00
4,100.00	11.57	327.63	4,069.79	273.76	-173.52	324.12	0.00	0.00	0.00
Green River									
4,135.94	11.57	327.63	4,105.00	279.85	-177.38	331.33	0.00	0.00	0.00
4,200.00	11.57	327.63	4,167.75	290.71	-184.26	344.19	0.00	0.00	0.00
4,300.00	11.57	327.63	4,265.72	307.65	-195.00	364.25	0.00	0.00	0.00
4,400.00	11.57	327.63	4,363.69	324.60	-205.74	384.31	0.00	0.00	0.00
4,500.00	11.57	327.63	4,461.65	341.55	-216.48	404.37	0.00	0.00	0.00
Top UGR Saline									
4,559.56	11.57	327.63	4,520.00	351.64	-222.88	416.32	0.00	0.00	0.00
4,600.00	11.57	327.63	4,559.62	358.49	-227.22	424.44	0.00	0.00	0.00



Sharewell Energy Services, LP

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora #3-16D-7-20
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4905.00usft
Project:	Uintah Co., UT (NAD27)	MD Reference:	WELL @ 4905.00usft
Site:	Sec.16-T7S-R20E	North Reference:	True
Well:	Aurora #3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.00	11.57	327.63	4,657.59	375.44	-237.96	444.50	0.00	0.00	0.00
4,800.00	11.57	327.63	4,755.55	392.38	-248.71	464.56	0.00	0.00	0.00
4,900.00	11.57	327.63	4,853.52	409.33	-259.45	484.63	0.00	0.00	0.00
Base UGR Saline									
4,983.17	11.57	327.63	4,935.00	423.42	-268.38	501.31	0.00	0.00	0.00
5,000.00	11.57	327.63	4,951.49	426.28	-270.19	504.69	0.00	0.00	0.00
5,100.00	11.57	327.63	5,049.45	443.22	-280.93	524.75	0.00	0.00	0.00
5,200.00	11.57	327.63	5,147.42	460.17	-291.67	544.82	0.00	0.00	0.00
Mahogany									
5,253.67	11.57	327.63	5,200.00	469.26	-297.43	555.58	0.00	0.00	0.00
5,300.00	11.57	327.63	5,245.39	477.11	-302.41	564.88	0.00	0.00	0.00
5,400.00	11.57	327.63	5,343.35	494.06	-313.15	584.94	0.00	0.00	0.00
5,500.00	11.57	327.63	5,441.32	511.00	-323.89	605.00	0.00	0.00	0.00
Start Drop -1.50									
5,584.04	11.57	327.63	5,523.65	525.25	-332.92	621.87	0.00	0.00	0.00
5,600.00	11.33	327.63	5,539.29	527.92	-334.61	625.04	1.50	-1.50	0.00
5,700.00	9.83	327.63	5,637.59	543.44	-344.45	643.40	1.50	-1.50	0.00
5,800.00	8.33	327.63	5,736.33	556.77	-352.90	659.19	1.50	-1.50	0.00
5,900.00	6.83	327.63	5,835.45	567.92	-359.97	672.39	1.50	-1.50	0.00
6,000.00	5.33	327.63	5,934.89	576.87	-365.64	682.99	1.50	-1.50	0.00
6,100.00	3.83	327.63	6,034.57	583.62	-369.92	690.98	1.50	-1.50	0.00
6,200.00	2.33	327.63	6,134.42	588.17	-372.80	696.36	1.50	-1.50	0.00
6,300.00	0.83	327.63	6,234.38	590.50	-374.28	699.13	1.50	-1.50	0.00
Start 2444.37 hold at 6355.63 MD - TGR3 - 3-16D-7-20 Tgt									
6,355.63	0.00	0.00	6,290.00	590.84	-374.50	699.53	1.50	-1.50	0.00
6,400.00	0.00	0.00	6,334.37	590.84	-374.50	699.53	0.00	0.00	0.00
Douglas Creek									
6,495.63	0.00	0.00	6,430.00	590.84	-374.50	699.53	0.00	0.00	0.00
6,500.00	0.00	0.00	6,434.37	590.84	-374.50	699.53	0.00	0.00	0.00
6,600.00	0.00	0.00	6,534.37	590.84	-374.50	699.53	0.00	0.00	0.00
6,700.00	0.00	0.00	6,634.37	590.84	-374.50	699.53	0.00	0.00	0.00
6,800.00	0.00	0.00	6,734.37	590.84	-374.50	699.53	0.00	0.00	0.00
6,900.00	0.00	0.00	6,834.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,000.00	0.00	0.00	6,934.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,100.00	0.00	0.00	7,034.37	590.84	-374.50	699.53	0.00	0.00	0.00
Black Shale Facies									
7,175.63	0.00	0.00	7,110.00	590.84	-374.50	699.53	0.00	0.00	0.00
7,200.00	0.00	0.00	7,134.37	590.84	-374.50	699.53	0.00	0.00	0.00
Castle Peak									
7,274.63	0.00	0.00	7,209.00	590.84	-374.50	699.53	0.00	0.00	0.00
7,300.00	0.00	0.00	7,234.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,400.00	0.00	0.00	7,334.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,500.00	0.00	0.00	7,434.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,600.00	0.00	0.00	7,534.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,700.00	0.00	0.00	7,634.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,800.00	0.00	0.00	7,734.37	590.84	-374.50	699.53	0.00	0.00	0.00
7,900.00	0.00	0.00	7,834.37	590.84	-374.50	699.53	0.00	0.00	0.00
8,000.00	0.00	0.00	7,934.37	590.84	-374.50	699.53	0.00	0.00	0.00
8,100.00	0.00	0.00	8,034.37	590.84	-374.50	699.53	0.00	0.00	0.00
Wasatch									
8,150.63	0.00	0.00	8,085.00	590.84	-374.50	699.53	0.00	0.00	0.00
8,200.00	0.00	0.00	8,134.37	590.84	-374.50	699.53	0.00	0.00	0.00
8,300.00	0.00	0.00	8,234.37	590.84	-374.50	699.53	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora #3-16D-7-20
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4905.00usft
Project:	Uintah Co., UT (NAD27)	MD Reference:	WELL @ 4905.00usft
Site:	Sec.16-T7S-R20E	North Reference:	True
Well:	Aurora #3-16D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,400.00	0.00	0.00	8,334.37	590.84	-374.50	699.53	0.00	0.00	0.00
8,500.00	0.00	0.00	8,434.37	590.84	-374.50	699.53	0.00	0.00	0.00
8,600.00	0.00	0.00	8,534.37	590.84	-374.50	699.53	0.00	0.00	0.00
8,700.00	0.00	0.00	8,634.37	590.84	-374.50	699.53	0.00	0.00	0.00
TD at 8800.00									
8,800.00	0.00	0.00	8,734.37	590.84	-374.50	699.53	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
3-16D-7-20 Tgt	0.00	0.00	6,290.00	590.84	-374.50	690,656.275	2,509,473.256	40° 12' 54.990 N	109° 40' 31.969 W
- plan hits target center									
- Rectangle (sides W200.00 H200.00 D2,444.37)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,135.94	4,105.00	Green River		0.00		
4,559.56	4,520.00	Top UGR Saline		0.00		
4,983.17	4,935.00	Base UGR Saline		0.00		
5,253.67	5,200.00	Mahogany		0.00		
6,355.63	6,290.00	TGR3		0.00		
6,495.63	6,430.00	Douglas Creek		0.00		
7,175.63	7,110.00	Black Shale Facies		0.00		
7,274.63	7,209.00	Castle Peak		0.00		
8,150.63	8,085.00	Wasatch		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,100.00	2,100.00	0.00	0.00	Start Build 1.50	
2,871.59	2,866.35	65.60	-41.58	Start 2712.45 hold at 2871.59 MD	
5,584.04	5,523.65	525.25	-332.92	Start Drop -1.50	
6,355.63	6,290.00	590.84	-374.50	Start 2444.37 hold at 6355.63 MD	
8,800.00	8,734.37	590.84	-374.50	TD at 8800.00	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ELK PRODUCTION UINTAH, LLC		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> No May 2012 monthly drilling activity to report. </div> <div style="width: 35%; text-align: center;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 05, 2012 </div> </div>		
NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager
SIGNATURE N/A	DATE 6/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/1/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER OTHER: Preset Surface Casing

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC requests permission to pre-set the 9-5/8" casing with a spudder rig. The following equipment shall be in place and operational during air/gas drilling: - Properly lubricated and maintained rotating head* -

Spark arresters on engines or water cooled exhaust* - Blooie line discharge 100 feet from well bore and securely anchored - Straight run on blooie line unless otherwise approved - Deduster equipment* - All cuttings and circulating medium shall be directed into a reserve or blooie pit* - Float valve above bit* - Automatic igniter or continuous pilot light on the blooie line* - Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore - Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: June 26, 2012

By: *D. K. Duff*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 5/11/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ELK PRODUCTION UINTAH, LLC		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No June 2012 monthly drilling activity to report.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 July 03, 2012

NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager
SIGNATURE N/A	DATE 7/3/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: Aurora 3-16D-7-20
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047521290000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No July 2012 monthly drilling activity to report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 08, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A		DATE 8/2/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;"> No August 2012 monthly drilling activity to report. </div> <div style="text-align: right; padding: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 06, 2012 </div>		
NAME (PLEASE PRINT) Megan Finnegan		PHONE NUMBER 303 299-9949
SIGNATURE N/A		TITLE Permit Analyst
DATE 9/4/2012		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. September 2012 monthly drilling activity report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 02, 2012		
NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A	DATE 10/2/2012	

**Aurora #3-16D-7-20 9/26/2012 00:01 - 9/26/2012 06:00**

API/UWI 43047512870000	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 1,543.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
00:01	6.00	06:01	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT.

Aurora #3-16D-7-20 9/26/2012 06:00 - 9/27/2012 06:00

API/UWI 43047512870000	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 1,543.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	1	RIGUP & TEARDOWN	HELD PRE-WORK SAFETY MEETING W/TRUCKERS & RIG CREWS. CONTINUE TO RIG DOWN & MOVE OUT. MAST DOWN & OFF RIG FLOOR @ 15:00 HRS. RIG 100% MOVED, 40% RIGGED UP. NOTE THAT RAIN CONTINUED TO ~14:00 HRS.. BOTH LOCATIONS VERY MUDDY. EXPECT THIS WEATHER TO SLOW THE MOVE.
19:00	11.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT.

Aurora #3-16D-7-20 9/27/2012 06:00 - 9/28/2012 06:00

API/UWI 43047512870000	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 1,543.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	HELD PRE-WORK SAFETY MEETING W/TRUCKERS & RIG CREWS. STACK SUBSTRUCTURE. RIG DOWN, MOVE & RIG UP CAMP. MAST UP @ 17:00 HRS. CONTINUE RIG UP. INSTALL 16" RISER & HOOK UP FLOWLINE. MIX SPUD MUD.

Aurora #3-16D-7-20 9/28/2012 06:00 - 9/29/2012 06:00

API/UWI 43047512870000	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 1,543.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	1	RIGUP & TEARDOWN	INSTALL REPAIRED MUD LINE. PREPARE/STRAP BHA.
13:00	1.75	14:45	6	TRIPS	PICK UP 12 1/4 BIT/MOTOR & BHA. TAG CEMENT @ 90'.
14:45	1.00	15:45	3	REAMING	DRILL CEMENT 90-104'. MAKE DC CONNECTION.
15:45	8.25	00:00	2	DRILL ACTUAL	DRILL 12 1/4 HOLE 104-691' MAKING DC CONNECTIONS & PICKING UP SPERRY TOOLS & 2 X 12 1/8 ROLLER REAMERS TO 326'. ROP 71.2 FPH.
00:00	0.50	00:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
00:30	0.75	01:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 691-786'. ROP 126.7 FPH.
01:15	0.25	01:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 786-794'. ROP 32 FPH.
01:30	3.75	05:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 794-1163'. ROP 98.4 FPH.
05:15	0.25	05:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1163-1171'. ROP 32 FPH.
05:30	0.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1171-1210'. ROP 78 FPH.

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By Glenn Randel Phone Number 970-623-7078
Well Name/Number Aurora 3-16D-7-20
Qtr/Qtr SE/NW Section 16 Township 7S Range 20E
Lease Serial Number FEE
API Number 43-047-51287 52129

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

RECEIVED

SEP 28 2012

DIV. OF OIL, GAS & MINING

Date/Time 9/29/12 11:30 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 9/30/12 12:00 AM ☒ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number AURORA 3-16D-7-20
Qtr/Qtr SE/NW Section 16 Township 7S Range 20E
Lease Serial Number FEE
API Number 43-047-~~51287~~ 52129

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 10/08/2012 10:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

RECEIVED

OCT 10 2012

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: AURORA 3-16D-7-20
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047521290000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

October 2012 monthly drilling activity report is attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 07, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 11/7/2012

**Aurora #3-16D-7-20 10/1/2012 06:00 - 10/2/2012 06:00**

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2373-2463'. ROP 120 FPH.
06:45	0.25	07:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2463-2469'. ROP 24 FPH.
07:00	0.50	07:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2469-2557'. ROP 176 FPH.
07:30	0.50	08:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE. CHANGE GRABBER DIES.
08:00	0.25	08:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2557-2564'. ROP 28 FPH.
08:15	0.75	09:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2564-2651'. ROP 116 FPH.
09:00	0.25	09:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2651-2661'. ROP 40 FPH.
09:15	0.25	09:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2661-2746'. ROP 340 FPH.
09:30	0.75	10:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2746-2756'. ROP 40 FPH.
10:15	0.75	11:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2756-2840'. ROP 168 FPH.
11:00	0.50	11:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2840-2852'. ROP 24 FPH.
11:30	0.50	12:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2852-2934'. ROP 164 FPH.
12:00	0.25	12:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2934-2944'. ROP 40 FPH.
12:15	0.75	13:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2944-3029'. ROP 113.3 FPH.
13:00	0.25	13:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3029-3039'. ROP 40 FPH.
13:15	0.75	14:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3029-3123'. ROP 112 FPH.
14:00	0.25	14:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3123-3131'. ROP 32 FPH.
14:15	0.75	15:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3131-3217'. ROP 114.7
15:00	0.25	15:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3217-3223'. ROP 24 FPH.
15:15	0.75	16:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3223-3311'. ROP 117.3 FPH.
16:00	0.25	16:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3311-3319'. ROP 32 FPH.
16:15	1.00	17:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3319-3405'. ROP 86 FPH.
17:15	0.25	17:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3405-3413'. ROP 32 FPH.
17:30	0.75	18:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3413-3500'. ROP 116 FPH.
18:15	0.25	18:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3500-3508'. ROP 32 FPH.
18:30	1.00	19:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3508-3594'. ROP 86 FPH.
19:30	0.25	19:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3594-3500'. ROP 24 FPH.
19:45	0.75	20:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3600-3688'. ROP 117.3 FPH.
20:30	0.25	20:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3688-3696'. ROP 32 FPH.
20:45	1.00	21:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3696-3783'. ROP 87 FPH.
21:45	0.25	22:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3783-3791'. ROP 32 FPH.
22:00	0.75	22:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3791-3877'. ROP 114.7 FPH.
22:45	0.50	23:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3877-3887'. ROP 20 FPH.
23:15	0.75	00:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3887-3971'. ROP 112 FPH.
00:00	0.75	00:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3971-3985'. ROP 18.7 FPH.
00:45	1.00	01:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3985-4066'. ROP 81 FPH.
01:45	0.75	02:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4066-4086'. ROP 26.7 FPH.
02:30	0.75	03:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4086-4160'. ROP 98.7 FPH.
03:15	1.25	04:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4160-4190'. ROP 24 FPH.
04:30	0.75	05:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4190-4254'. ROP 85.3 FPH.
05:15	0.75	06:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4254-4270'. ROP 21.3 FPH.

Aurora #3-16D-7-20 10/2/2012 06:00 - 10/3/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4270-4348'. ROP 78 FPH.
07:00	0.50	07:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4348-4362'. ROP 28 FPH.
07:30	1.00	08:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4362-4443'. ROP 81 FPH.
08:30	0.50	09:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4443-4463'. ROP 40 FPH.
09:00	1.00	10:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4463-4537'. ROP 74 FPH.
10:00	0.50	10:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4537-4557'. ROP 40 FPH.
10:30	1.00	11:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4557-4631'. ROP 74 FPH.
11:30	0.50	12:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4631-4643'. ROP 24 FPH.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	0.50	12:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4643-4726'. ROP 166 FPH.
12:30	0.50	13:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
13:00	0.50	13:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4726-4740'. ROP 28 FPH.
13:30	1.00	14:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4740-4820'. ROP 80 FPH.
14:30	0.75	15:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4820-4842'. ROP 29.3 FPH.
15:15	0.75	16:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4842-4914'. ROP 96 FPH.
16:00	1.00	17:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4914-4940'. ROP 26 FPH.
17:00	0.25	17:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4940-4961'. ROP 84 FPH.
17:15	0.25	17:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 4961-4976'. ROP 60 FPH.
17:30	0.50	18:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 4976-5008'. ROP 64 FPH.
18:00	0.50	18:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5008-5028'. ROP 40 FPH.
18:30	0.25	18:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5028-5055'. ROP 108 FPH.
18:45	1.00	19:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5055-5080'. ROP 25 FPH.
19:45	0.25	20:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5080-5103'. ROP 92 FPH.
20:00	1.25	21:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5103-5123'. ROP 16 FPH.
21:15	0.25	21:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5123-5150'. ROP 108 FPH.
21:30	1.25	22:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5150-5168'. ROP 14.4 FPH.
22:45	0.50	23:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5168-5197'. ROP 58 FPH.
23:15	0.75	00:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5197-5215'. ROP 24 FPH.
00:00	0.25	00:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5215-5244'. ROP 116 FPH.
00:15	0.75	01:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5244-5259'. ROP 20 FPH.
01:00	0.50	01:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5259-5291'. ROP 64 FPH.
01:30	0.50	02:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5291-5298'. ROP 14 FPH.
02:00	1.00	03:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5298-5385'. ROP 87 FPH.
03:00	1.50	04:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5385-5406'. ROP 14 FPH.
04:30	1.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5406-5480'. ROP 49.3 FPH.

Aurora #3-16D-7-20 10/3/2012 06:00 - 10/4/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.75	15:45	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 5480' TO 5857' (377' IN 9.75 HR = 38.7 FPH) SLIDE: 122' IN 5.75 HR = 21.2 FPH, ROTATE: 255' IN 4 HR = 63.75 FPH MM SPERRY DRILL 7/8 LOBE 3.3 STAGE .14 GPR 1.5 FIXED BEND 4.86' BTB.
15:45	0.50	16:15	7	LUBRICATE RIG	RIG SERVICE
16:15	13.75	06:00	2	DRILL ACTUAL	DRLG F/ 5857' TO 6537' (680' IN 13.75 HR = 49.5 FPH) SLIDE: 71' IN 4 HR = 17.75 FPH, ROTATE: 609' IN 13.75 HR = 44.3 FPH.

Aurora #3-16D-7-20 10/4/2012 06:00 - 10/5/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.75	15:45	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 6537' TO 7082' (545' IN 9.75 HR = 55.9 FPH) SLIDE: 34' IN 2 HR = 17 FPH, ROTATE: 528' 7.75 HR = 68.1 FPH. MM SPERRY DRILL 7/8 LOBE 3.3 STAGE .14 GPR 1.5 FIXED BEND 4.86' BTB.
15:45	0.50	16:15	7	LUBRICATE RIG	RIG SERVICE
16:15	13.00	05:15	2	DRILL ACTUAL	DRLG F/ 7082' TO 7527' (445' IN 13 HR = 34.2 FPH) SLIDE: 89' IN 6.25 HR = 14.2 FPH, ROTATE: 356' IN 6.75 52.7 FPH.
05:15	0.75	06:00	6	TRIPS	PUMP DRY SLUG TOO H F/ BIT #3

Aurora #3-16D-7-20 10/5/2012 06:00 - 10/6/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.25	14:15	6	TRIPS	TOOH, X/O BIT, TIH, WASH AND REAM BRIDGES F/ 2200' TO TD LARGE AMOUNTS OF SHALE AND SAND COMING OVER SHAKERS, REAM LAST 2 STD DOWN.
14:15	0.50	14:45	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 7527' TO 7554'. MM 6 3/4" SPERRY DRILL 7/8LOBE 3.3 STAGE .14 GPR 1.5 FIXED 4.86' BTB.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:45	0.25	15:00	1	RIGUP & TEARDOWN	REBOOT MWD COMPUTER
15:00	11.50	02:30	2	DRILL ACTUAL	DRLG F/ 7554' TO 8026' (4725' IN 11.5 HR = 41 FPH) ROTATING.
02:30	0.50	03:00	7	LUBRICATE RIG	RIG SERVICE
03:00	3.00	06:00	2	DRILL ACTUAL	DRLG F/ 8026' TO 8135' @ 36.3 FPH ROTATING. LOST RETURNS @ 8018' MIX LCM AND LOWER MUD WT TO 9.35.

Aurora #3-16D-7-20 10/6/2012 06:00 - 10/7/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.75	11:45	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 8135' TO 8308' @ 30.1 FPH ROTATING
11:45	0.50	12:15	5	COND MUD & CIRC	FLOW CHECK, PUMP DRY SLUG
12:15	7.00	19:15	6	TRIPS	TOOH, HAD TO BACKREAM @ 7527' PUMP DRY SLUG, X/O BIT, TIH,
19:15	0.25	19:30	5	COND MUD & CIRC	WASH DN 30' TO BOTTOM
19:30	7.75	03:15	2	DRILL ACTUAL	DRLG 8 3/4" HOLE 8308' TO 8686' @ 48.8 FPH, ROTATING.
03:15	0.50	03:45	7	LUBRICATE RIG	RIG SERVICE
03:45	2.25	06:00	2	DRILL ACTUAL	DRLG F/ 8686 TO 8780' @ 41.8 FPH ROTATING

Aurora #3-16D-7-20 10/7/2012 06:00 - 10/8/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	2	DRILL ACTUAL	DRLG F/ 8780 TO 8840' @ 48 FPH ROTATING. TD
07:15	0.75	08:00	5	COND MUD & CIRC	CIRC. COND F/ LOGS
08:00	4.50	12:30	6	TRIPS	SHORT TRIP TO SHOE
12:30	1.25	13:45	5	COND MUD & CIRC	CIRC COND F/ LOGS
13:45	2.50	16:15	6	TRIPS	TOOH, L/D REAMER AND MWD
16:15	5.50	21:45	11	WIRELINE LOGS	HSM RIG UP HES AND LOG F/ 8853' TO CASING SHOE. QUAD COMBO.
21:45	0.50	22:15	14	NIPPLE UP B.O.P	PULL WEAR BUSHING.
22:15	2.50	00:45	6	TRIPS	TIH
00:45	0.75	01:30	5	COND MUD & CIRC	CIRC. COND F/ CASING.
01:30	4.50	06:00	6	TRIPS	LDDP

Aurora #3-16D-7-20 10/8/2012 06:00 - 10/9/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	6	TRIPS	LD, BHA
07:15	7.50	14:45	12	RUN CASING & CEMENT	HSM, RIG UP WEATHERFORD CASING CREW. RUN FC 1.00), 2 SHOE JTS (87.14'), FC (1.00), 36 JTS 5 1/2" 17# P110 LT&C CASING. (1518.17'), MARKER JT (22.03), 20 JTS (837.79), MARKER JT (22.20'), 26 JTS (1104.74') 125 JTS (5218.55) . LANDED @ 8834.81' MADE UP W/ BESTOLIFE DOPE TO 4620 FT/LB.
14:45	1.00	15:45	5	COND MUD & CIRC	CIRC. F/ CASING
15:45	4.75	20:30	12	RUN CASING & CEMENT	HSM, SWAP TO HES AND CEMENT, 10 BLS H2O, 40 BLS SUPER FLUSH, 10 BLS H2O, 880 SAKS TUNED LIGHT W/5 LB SILICALITE, 10 LB SCOTCHLITE, .35LB HALAD-344.5 DAIR, .9 LB HR-601, 5 LB BENTONITE, 1 GRANULITE. TAILED W/ 695 SKS BONDCEM 13.5# 1.42 YEILD W/ 2& BENTONITE, 3% CACL, .75% HALAD=322, .2% FWCA, .3 SUPER CBL, .125 LB POLY-E FLAKE, 1 LB GRANULITE. DISPAED W/ 203 BL H2O W/ CLAY WEB AND ADICIDE. 120 BLS IN TO DISPLACEMENT JUST WE STARTED SEEING SUPERFLUSH LOST RETURNS.FINAL CIRC. PRESURE 1260 PSI.
20:30	5.50	02:00	14	NIPPLE UP B.O.P	NIPPLE DN SET SLIPS W/ 190K, CLEAN MUD TANKS RIG RELEASE 2:00 AM 10/9/12

Aurora #3-16D-7-20 10/12/2012 06:00 - 10/13/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	BLADED LOCATION. CLEAN CELLAR.

**Aurora #3-16D-7-20 10/13/2012 06:00 - 10/14/2012 06:00**

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	LOCL	Lock Wellhead & Secure	Well Secured With 11" Night Cap. BackFill Cellar
07:30	2.00	09:30	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
09:30	20.50	06:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.

Aurora #3-16D-7-20 10/15/2012 06:00 - 10/16/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	MIRU SLG AND FRONTIER. HSM. RUN GR/JB. TAG AT 8722'. FC AT 8741'. (19' FILL) RUN CBL/GR/CCL. SHORT JTS AT 5214'-36', 6340'-62', 7200'-22'. CMT BOND= GOOD FROM TD TO 6660', OK TO PORT FROM 6660'-1750', CMT TOP AT 1750'. CBL RAN W/ 1000 PSI. RDMO SLB AND FRONTIER.

Aurora #3-16D-7-20 10/25/2012 06:00 - 10/26/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Mandrel, Test Set Frac Tree, Test Casing Rig Up FlowBack And SandTrap, Unable To Test, SandTrap Froze Up.

Aurora #3-16D-7-20 10/27/2012 06:00 - 10/28/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat Frac Line Pressure Test FlowBack And SandTrap

Aurora #3-16D-7-20 10/28/2012 06:00 - 10/29/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured. 0 Psi. On Well.
08:00	2.00	10:00	SRIG	Rig Up/Down	SLB WireLine Arrive On Location, Hold Safety Meeting. Rig Up Equipment. Pick Up Lubricator, Test Lubricator, Arm Gun, Rig Up To Well.
10:00	1.00	11:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 10-07-2012 And SLB CBL/CCL Dated 10/15/2012. Found And Correlated To Marker Joint At 7,200 - 7,222'. Drop Down To Depth, Perforate Stage 1 Wasatch Zone, 8,401 - 8,679'. 42 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

Aurora #3-16D-7-20 10/29/2012 06:00 - 10/30/2012 06:00

API/UWI 43047521290000	State/Province UT	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,840.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.08	06:04	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0430 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:04	0.17	06:15	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:15	1.00	07:15	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16 Open Well, 20 Psi. ICP. BrokeDown At 9.6 Bpm And 1,977 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.2 Bpm And 3,424 Psi., Get ISIP, 1,373 Psi.. 0.59 Psi./Ft. F.G.. 31/42 Holes. Con't With SlickWater Pad, 30,467 Gals.. Stage Into .75# 100 Mesh, 70.3 Bpm At 3,298 Psi.. On Perfs, 70.2 Bpm At 3,305 Psi., 8,688 Gals. Stage Into 2# 20/40 White Prop, 70.2 Bpm At 3,305 Psi.. On Perfs, 70.0 Bpm At 2,924 Psi., 9,367 Gals. Stage Into 3.0# 20/40 White Prop, 70.1 Bpm At 2,881 Psi.. On Perfs, 70.3 Bpm At 2,420 Psi., 3,645 Gals. Stage Into 4.0# 20/40 White Prop, 70.0 Bpm At 2,633 Psi.. On Perfs, 70.3 Bpm At 2,323 Psi., 12,412 Gals. Stage Into 5.0# 20/40 White Prop, 70.2 Bpm At 2,316 Psi.. On Perfs, 70.3 Bpm At 2,255 Psi., 12,164 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,494 Psi.. 0.62 Psi./Ft. F.G.. WSI And Secured. 100 Mesh - 6,500# Total 20/40 White - 130,000# Total Clean - 99,146 Gals.. 2,361 Bbls.. BWTR - 2,521 Bbls. Max. Rate - 70.4 Bpm Avg. Rate - 70.1 Bpm Max. Psi. - 3,370 Psi. Avg. Psi. - 2,727 Psi.</p>
07:15	0.50	07:45	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
07:45	1.25	09:00	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 10-07-2012 And SLB CBL/CCL Dated 10/15/2012. Found And Correlated To Marker Joint At 7,200 - 7,222'. Drop Down To Depth, Set CBP At 8,320', 1,000 Psi.. Perforate Stage 2 Wasatch/Castle Peak Zone, 7,955 - 8,293'. 45 Holes. 700 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
09:00	0.09	09:05	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
09:05	1.00	10:05	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16 Open Well, 150 Psi. ICP. BrokeDown At 12.9 Bpm And 2,611 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.2 Bpm And 3,778 Psi., Get ISIP, 768 Psi.. 0.54 Psi./Ft. F.G.. 27/45 Holes. Con't With SlickWater Pad, 34,717 Gals.. Stage Into .75# 100 Mesh, 70.5 Bpm At 3,012 Psi.. On Perfs, 70.4 Bpm At 2,960 Psi., 11,114 Gals. Stage Into 2# 20/40 White Prop, 70.4 Bpm At 2,707 Psi.. On Perfs, 70.5 Bpm At 2,338 Psi., 8,998 Gals. Stage Into 3.0# 20/40 White Prop, 70.4 Bpm At 2,307 Psi.. On Perfs, 70.5 Bpm At 2,001 Psi., 11,733 Gals. Stage Into 4.0# 20/40 White Prop, 70.7 Bpm At 1,941 Psi.. On Perfs, 70.5 Bpm At 1,858 Psi., 12,189 Gals. Stage Into 5.0# 20/40 White Prop, 70.6 Bpm At 1,856 Psi.. On Perfs, 70.5 Bpm At 1,800 Psi., 11,431 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 843 Psi.. 0.54 Psi./Ft. F.G.. WSI And Secured. 100 Mesh - 8,400# Total 20/40 White - 150,000# Total Clean - 111,868 Gals.. 2,664 Bbls.. BWTR - 2,841 Bbls. Max. Rate - 70.8 Bpm Avg. Rate - 70.5 Bpm Max. Psi. - 3,044 Psi. Avg. Psi. - 2,230 Psi.</p>
10:05	0.17	10:15	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:15	1.25	11:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 10-07-2012 And SLB CBL/CCL Dated 10/15/2012. Found And Correlated To Marker Joint At 7,200 - 7,222'. Drop Down To Depth, Set CBP At 7,932', 650 Psi.. Perforate Stage 3 Castle Peak Zone, 7,621 - 7,915'. 45 Holes. 450 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
11:30	0.08	11:35	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
11:35	1.00	12:35	FRAC	Frac. Job	Frac Stage 3. Fluid System: Hybor G 16 Open Well, 151 Psi. ICP. BrokeDown At 9.5 Bpm And 1,995 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.3 Bpm And 3,240 Psi., Get ISIP, 721 Psi.. 0.53 Psi./Ft. F.G.. 27/45 Holes. Con't With SlickWater Pad, 34,706 Gals.. Stage Into .75# 100 Mesh, 70.6 Bpm At 2,914 Psi.. On Perfs, 70.5 Bpm At 2,931 Psi., 11,231 Gals. Stage Into 2# 20/40 White Prop, 70.6 Bpm At 2,768 Psi.. On Perfs, 70.6 Bpm At 2,426 Psi., 9,835 Gals. Stage Into 3.0# 20/40 White Prop, 70.5 Bpm At 2,335 Psi.. On Perfs, 70.5 Bpm At 2,091 Psi., 12,806 Gals. Stage Into 4.0# 20/40 White Prop, 70.5 Bpm At 2,039 Psi.. On Perfs, 70.7 Bpm At 1,939 Psi., 11,307 Gals. Stage Into 5.0# 20/40 White Prop, 70.6 Bpm At 1,949 Psi.. On Perfs, 70.8 Bpm At 1,958 Psi., 11,112 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,280 Psi.. 0.61 Psi./Ft. F.G.. WSI And Secured. 100 Mesh - 8,500# Total 20/40 White - 150,000# Total Clean - 112,052 Gals.. 2,668 Bbls.. BWTR - 2,832 Bbls. Max. Rate - 70.9 Bpm Avg. Rate - 70.6 Bpm Max. Psi. - 2,955 Psi. Avg. Psi. - 2,303 Psi.
12:35	0.17	12:45	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
12:45	1.25	14:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 10-07-2012 And SLB CBL/CCL Dated 10/15/2012. Found And Correlated To Marker Joint At 7,200 - 7,222'. Drop Down To Depth, Set CBP At 7,614', 750 Psi.. Perforate Stage 4 Castle Peak/Black Shale/Douglas Creek Zone, 7,175 - 7,594'. 45 Holes. 400 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
14:00	0.08	14:05	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:05	1.17	15:15	FRAC	Frac. Job	Frac Stage 4. Fluid System: Hybor G 16 Open Well, 85 Psi. ICP. BrokeDown At 9.5 Bpm And 1,910 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.7 Bpm And 3,181 Psi., Get ISIP, 1,084 Psi.. 0.59 Psi./Ft. F.G.. 30/45 Holes. Con't With SlickWater Pad, 38,159 Gals.. Stage Into .75# 100 Mesh, 70.7 Bpm At 3,223 Psi.. On Perfs, 70.6 Bpm At 2,960 Psi., 13,136 Gals. Stage Into 2# 20/40 White Prop, 70.5 Bpm At 2,920 Psi.. On Perfs, 70.3 Bpm At 2,601 Psi., 8,227 Gals. Stage Into 3.0# 20/40 White Prop, 70.4 Bpm At 2,590 Psi.. On Perfs, 70.6 Bpm At 2,358 Psi., 19,261 Gals. Stage Into 4.0# 20/40 White Prop, 70.6 Bpm At 2,289 Psi.. On Perfs, 70.5 Bpm At 2,311 Psi., 11,229 Gals. Stage Into 5.0# 20/40 White Prop, 70.4 Bpm At 2,311 Psi.. On Perfs, 70.5 Bpm At 2,309 Psi., 10,933 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,192 Psi.. 0.60 Psi./Ft. F.G.. WSI And Secured. 100 Mesh - 9,900# Total 20/40 White - 160,000# Total Clean - 121,360 Gals.. 2,890 Bbls.. BWTR - 3,084 Bbls. Max. Rate - 74.7 Bpm Avg. Rate - 70.5 Bpm Max. Psi. - 3,266 Psi. Avg. Psi. - 2,566 Psi.
15:15	0.25	15:30	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
15:30	1.08	16:35	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 10-07-2012 And SLB CBL/CCL Dated 10/15/2012. Found And Correlated To Marker Joint At 6,340 - 6,362'. Drop Down To Depth, Set CBP At 7,162'. 1,150 Psi.. Perforate Stage 5 Douglas Creek Zone, 6,839 - 7,142'. 45 Holes. 500 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
16:35	13.42	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/29/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
	OTHER: <input type="text" value="completion rpt update"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well has not yet had first sales and the completion report is due 11/30/12. BBC is requesting permission to submit the completion report no later than 12/30/12 in order to gather all information needed for the completion report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 03, 2012		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 11/29/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/3/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No November monthly activity to report.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 December 03, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 12/3/2012	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NUMBER: FEE					
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
2. NAME OF OPERATOR: Bill Barrett Corporation						7. UNIT or CA AGREEMENT NAME Aurora (Deep)					
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202						8. WELL NAME and NUMBER: Aurora 3-16D-7-20					
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1585 FNL 2573 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1006 FNL 2212 FWL AT TOTAL DEPTH: 1018 FNL 2222 FWL <i>NENW BHL by HSM</i>						9. API NUMBER: 4304752129					
10. FIELD AND POOL, OR WILDCAT Undesignated						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 16 7S 20E S					
14. DATE SPUNDED: 4/1/2012						15. DATE T.D. REACHED: 10/7/2012		16. DATE COMPLETED: 10/31/2012		17. ELEVATIONS (DF, RKB, RT, GL): 4882 GL	
18. TOTAL DEPTH: MD 8,840 TVD 8,776			19. PLUG BACK T.D.: MD 7,223 TVD 7,159			20. IF MULTIPLE COMPLETIONS, HOW MANY? *			21. DEPTH BRIDGE MD PLUG SET: TVD		
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)					
24. CASING AND LINER RECORD (Report all strings set in well)											
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED		
26	20 H-40	94#	0	104	104	G 400	82	0			
12 1/4	9 5/8 J-55	36#	0	1,543	1,528	200	112	0			
						235	55				
8 3/4	5 1/2 P110	17#	0	8,840	8,830	880	366	1956	15000		
						695	154				
25. TUBING RECORD											
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2 7/8	8,590										
26. PRODUCING INTERVALS						27. PERFORATION RECORD					
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS			
(A) Green River	6,198	8,042			6,198 8,042	.36	270	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>			
(B) Wasatch	8,064	8,679			8,064 8,679	.36	42	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>			
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL										
Green River	See Treatment Stages 2-7										
Wasatch	See Treatment Stage 1										
29. ENCLOSED ATTACHMENTS:											
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION						<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____					
30. WELL STATUS:											

(5/2000)

RECEIVED

DEC 11 2012

Div. of Oil, Gas & Mining

(CONTINUED ON BACK)

Div. of Oil, Gas & Mining

DEC 11 2012

RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	4,112
				Mahogany	5,274
				Douglas Creek	6,547
				Black Shale	7,173
				Castle Peak	7,455
				Uteland Butte	7,685
				Wasatch	8,057
				TD	8,840

35. ADDITIONAL REMARKS (Include plugging procedure)

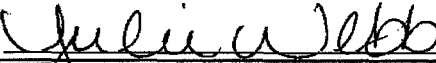
TOC was calculated by CBL. Attached treatment data. This well has not had first sales.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Julie Webb

TITLE Permit Analyst

SIGNATURE



DATE 12/5/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Aurora 3-16D-7-20 Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)		
AMOUNT AND TYPE OF MATERIAL		
<u>Stage</u>	<u>BBLs Slurry</u>	<u>lbs 20/40 CRC</u>
1	2,513	131,440
2	2,843	150,940
3	2,839	149,740
4	3,079	165,700
5	2,980	160,140
6	2,631	141,600
7	2,956	145,520

*Depth intervals for frac information same as perforation record intervals.

Bill Barrett Corp

Uintah County, UT (NAD 1927)

Sec. 16-T7S-R20E

Aurora 3-16D-7-20

Plan B

Design: MWD Survey

Sperry Drilling Services Final Survey Report

04 December, 2012

Well Coordinates: 690,073.20 N, 2,509,859.73 E (40° 12' 49.15" N, 109° 40' 27.14" W)
Ground Level: 4,881.00 ft

Local Coordinate Origin:	Centered on Well Aurora 3-16D-7-20
Viewing Datum:	KB @ 4905.00ft (H&P 319)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom
Geodetic Scale Factor Applied	
Version: 2003.16 Build: 431	

HALLIBURTON

Design Report for Aurora 3-16D-7-20 - MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.00	0.13	268.04	124.00	0.00	-0.14	0.07	0.10
First MWD Survey							
186.00	0.18	299.43	186.00	0.04	-0.30	0.19	0.16
249.00	0.10	9.00	249.00	0.14	-0.37	0.32	0.27
340.00	0.14	350.36	340.00	0.33	-0.38	0.48	0.06
431.00	0.24	240.19	431.00	0.35	-0.56	0.59	0.35
522.00	0.17	226.85	522.00	0.16	-0.83	0.58	0.09
614.00	0.27	164.85	614.00	-0.14	-0.87	0.34	0.26
709.00	0.41	164.14	709.00	-0.69	-0.72	-0.19	0.15
803.00	0.10	118.39	803.00	-1.05	-0.55	-0.59	0.37
897.00	0.26	85.98	896.99	-1.07	-0.27	-0.76	0.20
992.00	0.23	94.59	991.99	-1.07	0.14	-0.98	0.05
1,086.00	0.54	111.73	1,085.99	-1.25	0.73	-1.45	0.35
1,180.00	0.20	144.69	1,179.99	-1.55	1.24	-1.97	0.41
1,275.00	0.17	268.13	1,274.99	-1.69	1.20	-2.07	0.34
1,369.00	0.26	191.53	1,368.99	-1.90	1.01	-2.15	0.29
1,466.00	0.07	190.87	1,465.99	-2.18	0.96	-2.35	0.20
1,559.00	0.05	198.53	1,558.99	-2.27	0.94	-2.42	0.02
1,653.00	0.42	129.66	1,652.99	-2.53	1.19	-2.77	0.43
1,747.00	0.81	319.13	1,746.99	-2.25	1.02	-2.44	1.30
1,842.00	1.44	314.77	1,841.97	-0.90	-0.27	-0.62	0.67
1,936.00	1.57	310.48	1,935.93	0.77	-2.09	1.77	0.18
2,030.00	1.32	308.14	2,029.90	2.27	-3.92	4.02	0.27
2,125.00	1.87	320.49	2,124.87	4.14	-5.76	6.59	0.68
2,219.00	2.29	322.71	2,218.80	6.82	-7.88	9.98	0.45
2,313.00	3.12	331.08	2,312.70	10.56	-10.25	14.40	0.98
2,408.00	3.71	327.45	2,407.53	15.41	-13.16	20.06	0.66
2,502.00	4.38	333.41	2,501.30	21.18	-16.40	26.67	0.84
2,596.00	5.02	332.42	2,594.98	28.04	-19.91	34.34	0.69
2,691.00	6.12	335.72	2,689.53	36.34	-23.92	43.50	1.21
2,785.00	7.00	333.94	2,782.91	46.05	-28.49	54.15	0.96
2,879.00	8.44	329.55	2,876.06	57.14	-34.51	66.74	1.65
2,974.00	9.50	329.14	2,969.90	69.88	-42.06	81.54	1.12
3,068.00	10.77	328.98	3,062.43	84.07	-50.57	98.08	1.35
3,162.00	11.87	328.22	3,154.60	99.82	-60.19	116.53	1.18
3,256.00	12.05	328.98	3,246.56	116.44	-70.33	136.00	0.25
3,350.00	12.85	327.96	3,338.35	133.71	-80.94	156.27	0.88
3,445.00	12.98	327.31	3,430.94	151.65	-92.30	177.50	0.21
3,539.00	13.27	329.44	3,522.49	169.82	-103.49	198.84	0.60
3,633.00	12.88	328.43	3,614.05	188.04	-114.46	220.10	0.48
3,728.00	13.08	329.31	3,706.62	206.30	-125.49	241.43	0.30
3,822.00	12.54	328.65	3,798.28	224.17	-136.23	262.27	0.60
3,916.00	11.78	327.48	3,890.17	240.97	-146.69	282.06	0.85
4,011.00	10.54	323.90	3,983.38	256.17	-157.03	300.43	1.49
4,105.00	10.41	324.75	4,075.81	270.05	-166.99	317.49	0.21
4,199.00	11.48	326.99	4,168.10	284.83	-176.99	335.33	1.22
4,293.00	12.77	329.38	4,260.00	301.62	-187.38	355.07	1.47
4,388.00	12.30	326.14	4,352.74	319.05	-198.37	375.68	0.89
4,482.00	12.57	326.32	4,444.53	335.88	-209.62	395.91	0.29

Design Report for Aurora 3-16D-7-20 - MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,576.00	13.71	328.38	4,536.07	353.88	-221.13	417.28	1.31
4,671.00	13.49	328.04	4,628.41	372.87	-232.90	439.62	0.25
4,765.00	12.08	326.92	4,720.07	390.41	-244.07	460.42	1.52
4,859.00	10.63	323.86	4,812.23	405.66	-254.55	478.90	1.67
4,953.00	9.50	325.05	4,904.78	419.02	-264.11	495.30	1.22
5,048.00	9.86	326.78	4,998.43	432.25	-273.06	511.27	0.49
5,142.00	11.40	329.42	5,090.82	446.98	-282.19	528.60	1.72
5,236.00	13.14	334.90	5,182.67	464.65	-291.45	548.49	2.23
5,330.00	11.59	332.15	5,274.49	482.68	-300.40	568.50	1.76
5,425.00	10.60	330.52	5,367.71	498.72	-309.16	586.74	1.09
5,519.00	9.59	330.29	5,460.25	513.05	-317.29	603.20	1.08
5,614.00	8.62	326.00	5,554.06	525.83	-325.19	618.22	1.25
5,708.00	7.82	324.99	5,647.09	536.91	-332.80	631.65	0.86
5,802.00	6.78	325.49	5,740.33	546.72	-339.62	643.59	1.11
5,897.00	6.84	330.86	5,834.66	556.28	-345.55	654.84	0.67
5,991.00	6.28	329.23	5,928.04	565.58	-350.90	665.57	0.63
6,085.00	5.03	323.13	6,021.58	573.30	-356.01	674.81	1.47
6,179.00	3.87	320.53	6,115.30	579.04	-360.50	682.07	1.25
6,274.00	3.32	323.42	6,210.11	583.73	-364.17	687.99	0.61
6,368.00	2.78	312.56	6,303.98	587.46	-367.47	692.91	0.84
6,462.00	1.66	285.79	6,397.91	589.37	-370.46	696.13	1.59
6,556.00	1.11	258.02	6,491.88	589.55	-372.66	697.46	0.91
6,651.00	0.81	191.84	6,586.87	588.70	-373.70	697.30	1.13
6,745.00	0.49	167.58	6,680.87	587.66	-373.75	696.44	0.44
6,839.00	0.49	184.01	6,774.86	586.87	-373.69	695.74	0.15
6,933.00	0.27	157.25	6,868.86	586.26	-373.64	695.20	0.29
7,027.00	2.21	195.48	6,962.83	584.31	-374.03	693.76	2.13
7,122.00	1.54	157.54	7,057.79	581.36	-374.04	691.28	1.45
7,216.00	1.21	142.22	7,151.76	579.41	-372.94	689.04	0.52
7,310.00	1.23	113.12	7,245.74	578.23	-371.41	687.23	0.65
7,404.00	1.25	121.61	7,339.72	577.30	-369.61	685.47	0.20
7,499.00	0.81	101.95	7,434.70	576.62	-368.07	684.07	0.59
7,593.00	0.72	70.93	7,528.69	576.67	-366.86	683.47	0.44
7,688.00	0.63	65.63	7,623.69	577.08	-365.82	683.26	0.12
7,782.00	0.68	83.92	7,717.68	577.35	-364.80	682.94	0.23
7,877.00	0.59	78.95	7,812.68	577.51	-363.75	682.52	0.11
7,971.00	0.96	89.67	7,906.67	577.60	-362.49	681.92	0.42
8,065.00	1.04	105.00	8,000.65	577.39	-360.88	680.88	0.30
8,159.00	1.10	105.60	8,094.64	576.92	-359.19	679.58	0.06
8,254.00	0.99	123.82	8,189.62	576.22	-357.63	678.15	0.37
8,348.00	0.90	133.53	8,283.61	575.26	-356.42	676.69	0.20
8,442.00	0.84	137.04	8,377.60	574.25	-355.41	675.30	0.09
8,537.00	1.05	135.56	8,472.58	573.12	-354.33	673.76	0.22
8,631.00	1.05	142.94	8,566.57	571.82	-353.21	672.06	0.14
8,785.00	1.67	158.60	8,720.52	568.60	-351.54	668.45	0.47
Final MWD Survey							
8,840.00	1.67	158.60	8,775.50	567.11	-350.95	666.88	0.00
Survey Projection to TD							

Design Report for Aurora 3-16D-7-20 - MWD Survey

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
124.00	124.00	0.00	-0.14	First MWD Survey
8,785.00	8,720.52	568.60	-351.54	Final MWD Survey
8,840.00	8,775.50	567.11	-350.95	Survey Projection to TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	Aurora 3-16D-7-20_PlanB - Rev0_BH	327.63	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
124.00	8,840.00	Sperry MWD Surveys	MWD

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Aurora	0.00	0.00	8,697.00	590.89	-374.53	690,656.28	2,509,473.26	40° 12' 54.990 N	109° 40' 31.969 W
- actual wellpath misses target center by 31.40ft at 8760.77ft MD (8696.30 TVD, 569.23 N, -351.80 E)									
- Point									
Aurora	0.00	0.00	6,290.00	590.89	-374.53	690,656.28	2,509,473.26	40° 12' 54.990 N	109° 40' 31.969 W
- actual wellpath misses target center by 8.49ft at 6354.42ft MD (6290.42 TVD, 587.00 N, -366.99 E)									
- Rectangle (sides W200.00 H200.00 D2,407.00)									

North Reference Sheet for Sec. 16-T7S-R20E - Aurora 3-16D-7-20 - Plan B

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to KB @ 4905.00ft (H&P 319). Northing and Easting are relative to Aurora 3-16D-7-20

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99992062

Grid Coordinates of Well: 690,073.20 ft N, 2,509,859.73 ft E

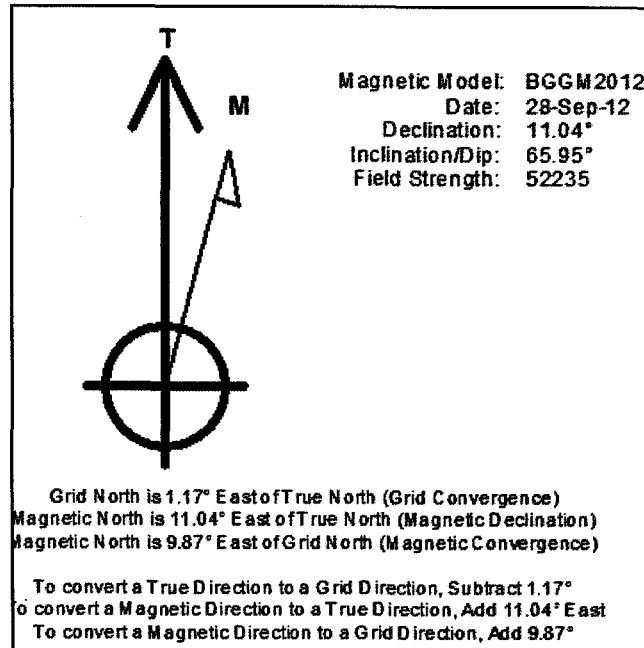
Geographical Coordinates of Well: 40° 12' 49.15" N, 109° 40' 27.14" W

Grid Convergence at Surface is: 1.17°

Based upon Minimum Curvature type calculations, at a Measured Depth of 8,840.00ft

the Bottom Hole Displacement is 666.92ft in the Direction of 328.25° (True).

Magnetic Convergence at surface is: -9.87° (28 September 2012, , BGGM2012)



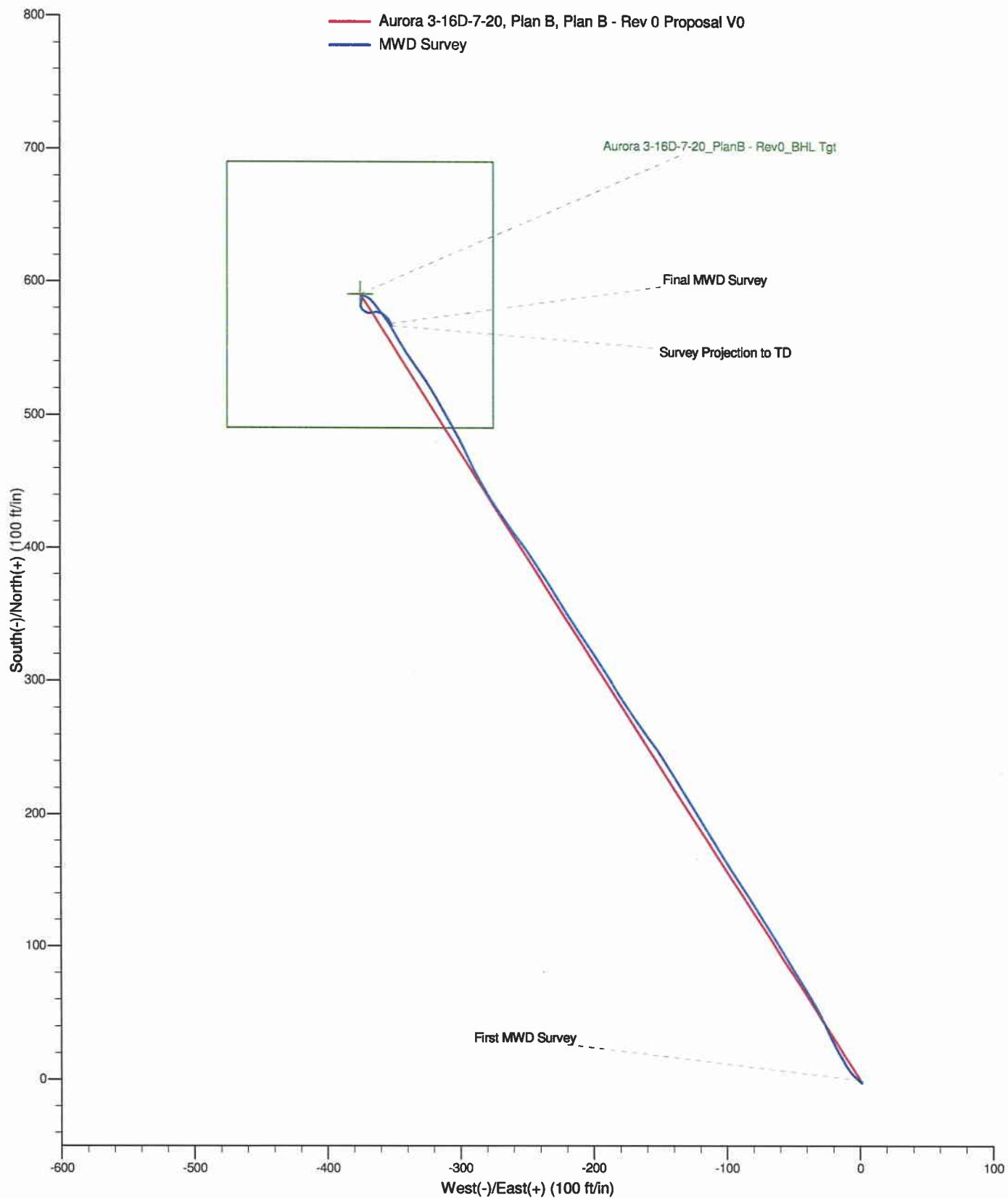
Project: Uintah County, UT (NAD 1927)
Site: Sec. 16-T7S-R20E
Well: Aurora 3-16D-7-20

Bill Barrett Corp

HALLIBURTON

Sperry Drilling

LEGEND



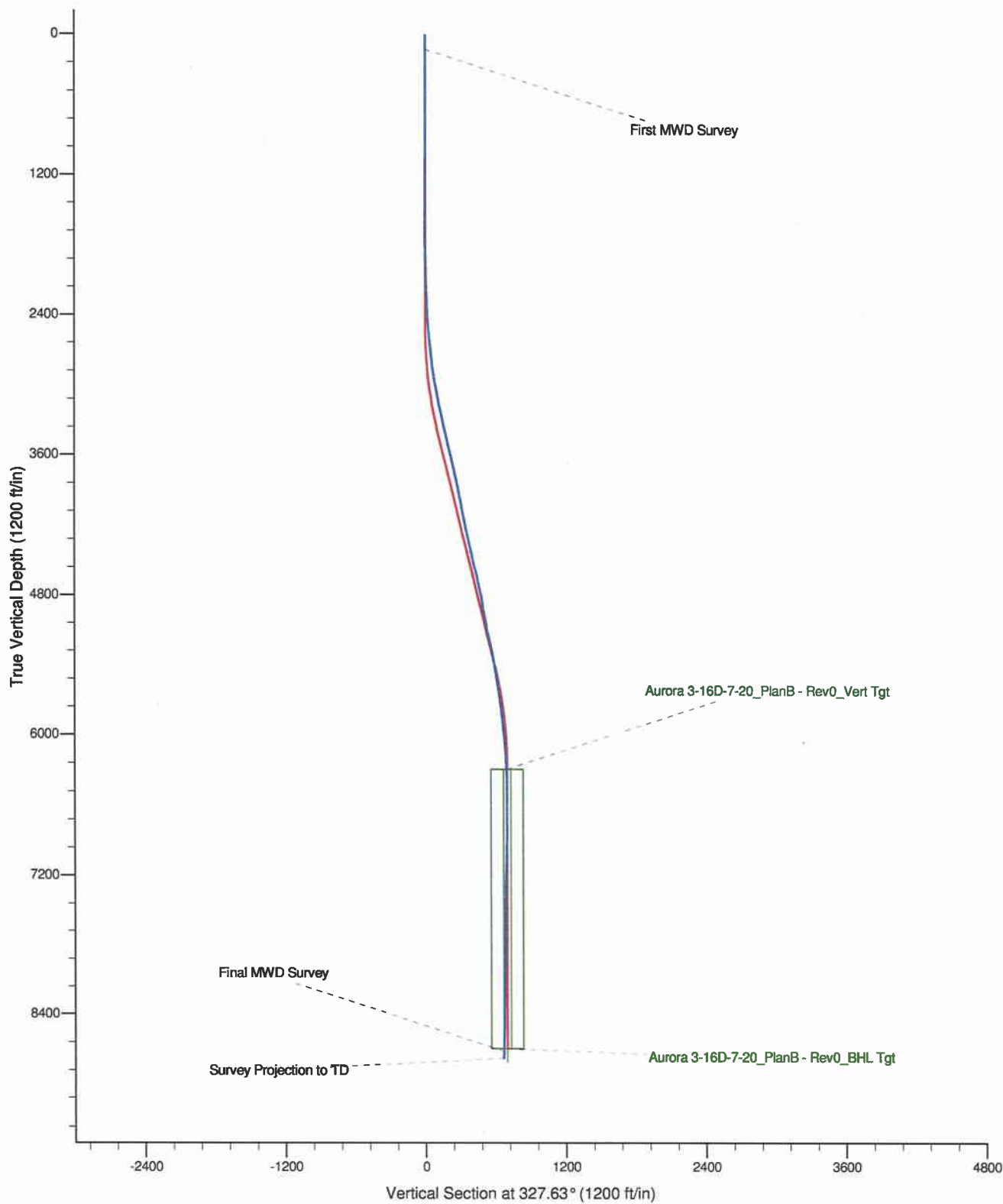
Project: Uintah County, UT (NAD 1927)
Site: Sec. 16-T7S-R20E
Well: Aurora 3-16D-7-20

Bill Barrett Corp

HALLIBURTON
Sperry Drilling

LEGEND

- Aurora 3-16D-7-20, Plan B, Plan B - Rev 0 Proposal V0
- MWD Survey



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☒
(highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
2. NAME OF OPERATOR: Bill Barrett Corporation						7. UNIT or CA AGREEMENT NAME: Aurora (Deep)			
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202						8. WELL NAME and NUMBER: Aurora 3-16D-7-20			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1585 FNL 2573 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1006 FNL 2212 FWL AT TOTAL DEPTH: 1018 FNL 2222 FWL						9. API NUMBER: 4304752129			
10 FIELD AND POOL, OR WILDCAT Undesignated						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 16 7S 2E S			
12. COUNTY Uintah						13. STATE UTAH			
14. DATE SPURRED: 4/1/2012		15. DATE T.D. REACHED: 10/7/2012		16. DATE COMPLETED: 11/1/2012		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (OF, RKB, RT, GL): 4882 GL	
18. TOTAL DEPTH: MD 8,840 TVD 8,776		19. PLUG BACK T.D.: MD 7,223 TVD 7,159		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)			
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	20 H-40	94#	0	104	104	G 400	82	0	
12 1/4	9 5/8 J-55	36#	0	1,543	1,528	200	112	0	
						235	55		
8 3/4	5 1/2 P110	17#	0	8,840	8,830	880	366	1956	15000
						695	154		
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 7/8	8,590								
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Green River	6,198	8,042			6,198 8,042	.36	270	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) Wasatch	8,064	8,679			8,064 8,679	.36	42	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
Green River		See Treatment Stages 2-7							
Wasatch		See Treatment Stage 1							
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT				<input type="checkbox"/> DST REPORT <input checked="" type="checkbox"/> DIRECTIONAL SURVEY	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS				<input type="checkbox"/> OTHER: _____	

(5/2000)

(CONTINUED ON BACK)

RECEIVED

MAR 14 2013

DIV OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/21/2012		TEST DATE: 11/27/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 108	GAS – MCF: 0	WATER – BBL: 198	PROD. METHOD: flowing
CHOKE SIZE: 24/64	T.B.G. PRESS. 70	CSG. PRESS. 150	API GRAVITY	BTU – GAS 1	GAS/OIL RATIO 0	24 HR PRODUCTION RATES: →	OIL – BBL: 108	GAS – MCF: 0	WATER – BBL: 198	INTERVAL STATUS: open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	4,112
				Mahogany	5,274
				Douglas Creek	6,547
				Black Shale	7,173
				Castle Peak	7,455
				Uteland Butte	7,685
				Wasatch	8,057
				TD	8,840

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC was calculated by CBL. Attached treatment data. This Completion report is updated with test data.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Brady Riley

TITLE Permit Analyst

SIGNATURE

DATE 3/12/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA 3-16D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1585 FNL 2573 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047521290000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/15/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input checked="" type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 BBC hereby requests an additional allowance to flare the subject well through the month of march while BBC constructs and connects into the existing Aurora gas pipeline. See additional details attached.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: March 14, 2013

By:

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/12/2013	

This sundry is being submitted by Bill Barrett Corporation to request an extended flaring.

The Aurora 3-16D-7-20, which was completed in November of 2012, has had an unexpected increase in gas production over the past month and is now approaching the allowable flaring totals. In the month of March, this well has been producing up to 65 mcf/d (763 mcf/month), and might be shut in within the next two weeks in order to keep it from exceeding the current flaring allowables.

BBC will be running a surface line to the Aurora gas pipeline for the Aurora 3-16D-7-20 and is asking for an extension of 2500 mcf for the month of March. We expect to have the well connected to sales before the end of the month with no complications (pipeline route was approved by UDOGM 3/5/12).

If an additional flaring allowance is not granted and BBC shuts in this well, by continuing to shut this well in until the pipeline pressure is reduced, would be detrimental as there is always potential for formation damage with future flow restrictions and shut-ins. Reduction of ultimate recovery can potentially occur by either dehydration of any gelled hydraulic fracture fluid that is still in formation as well as the crushing of the proppant in hydraulic fractures given apparent over-pressure in the Wasatch. Also, there is an increased risk to form downhole paraffin plugs that bridge off the casing and tubing when production rates are reduced.

With the unanticipated over production of gas, along with the timing to install the pipeline, BBC is requesting, as allowed under R649-3-20, 2500 mcf for the month of March on rod pump, with no choke, until the pipeline has been constructed at the end of March, to prevent us from having to shut this well in and reduce the productivity of this well.

Please contact Brady Riley at 303-312-8115 with questions.

4304751285,
4304752006,
4304752005,

4304751509,
4304752129,
4304752394



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3180 (UTU82456X)
UT922000

April 19, 2013

RECEIVED
JUN 14 2013
Div. of Oil, Gas & Mining

Mr. Thomas Abell
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, Colorado 80202

Re: Initial Green River-Wasatch
Participating Areas
"C" "D" "E" "F" "G" and "H"
Aurora (Deep) Unit
Uintah County, Utah

Dear Mr. Abell:

The Initial Green River-Wasatch Participating Area "C", Aurora (Deep) Unit, UTU82456E, is hereby approved effective as of February 24, 2011, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "C" contains 151.15 acres and is based on the completion of Unit Well No. Four Star 7-32-7-20, API No. 43-047-51285, located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 7, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 24, Fee Lease, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "D", Aurora (Deep) Unit, UTU82456F, is hereby approved effective as of April 16, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "D" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 15-28D-7-20, API No. 43-047-52006, located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 28, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 16, Lease No. UTU80689, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "E", Aurora (Deep) Unit, UTU82456G, is hereby approved effective as of May 5, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "E" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 3-20D-7-20, API No. 43-047-52005, located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 20, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 8, Lease No. UTU75093, as a well capable of producing unitized substances in paying quantities.

Please be advised that the Unit Well No. Wall 13-17 API No. 43-047-36668, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 17, Township 7 South, Range 20 East, SLB&M, was recompleted in the Green River-Wasatch Formation on July 18, 2012, and determined to be a well capable of producing unitized substances in paying quantities by our office on April 1, 2013. The first revision of the Green River-Wasatch Participating Area "E", when submitted by your office, will be effective July 1, 2012.

The Initial Green River-Wasatch Participating Area "F", Aurora (Deep) Unit, UTU82456H, is hereby approved effective as of August 24, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "F" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 15-8-7-20, API No. 43-047-51509, located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 8, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 25, Fee Lease, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "G", Aurora (Deep) Unit, UTU82456I, is hereby approved effective as of October 31, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "G" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 3-16D-7-20, API No. 43-047-⁵²¹²⁹~~51129~~, located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 16, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 32, Fee Lease, as a well capable of producing unitized substances in paying quantities.

The Initial Green River-Wasatch Participating Area "H", Aurora (Deep) Unit, UTU82456J, is hereby approved effective as of November 12, 2012, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, Uintah County, Utah.

The Initial Green River-Wasatch Participating Area "H" contains 160.00 acres and is based on the completion of Unit Well No. Aurora 9-1D-7-20, API No. 43-047-52394, located in the NE¼SE¼ of Section 1, Township 7 South, Range 20 East, SLB&M, Unit Tract No. 20, Fee Lease, as a well capable of producing unitized substances in paying quantities.

Copies of the approved requests are being distributed to the appropriate regulatory agencies and one copy is returned herewith. Please advise all interested parties of the approval of the Initial Green River-Wasatch Participating Areas "C" "D" "E" "F" "G" and "H", Aurora (Deep) Unit and their effective dates.

If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

/s/ Roger L. Bankert

Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: ONRR w/Exhibit "B" (Attn: Nancy McCarty)
BLM FOM - Vernal w/enclosure

bcc: Unit file – Aurora (Deep) Unit w/enclosure
Fluids – Mickey
Fluids - Becky
Fluids - Judy
Agr. Sec. Chron.
Reading File
Central Files

JNordstrom:4/18/2013

RPA
BGH
PIC

43-047-52129



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3180 (UTU82456X)
UT-922000

MAR 18 2014

Mr. Kevin Funk
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, Colorado 80202

RECEIVED

MAR 20 2014

DIV OF OIL, GAS & MINING

Re: Initial Consolidated
Green River – Wasatch Formation
Participating Area (PA) "A,G"
Aurora (Deep) Unit
Uintah County, Utah

Aurora 3-16D-7-20
7S 20E 16

Dear Mr. Funk:

The Initial Consolidated Green River – Wasatch Formation Participating Area "A,G", Aurora (Deep) Unit, UTU82456K, located in Uintah County, Utah, is hereby approved effective as of August 1, 2013, pursuant to Section 11 of the Aurora (Deep) Unit Agreement.

This participating area is a result of the consolidation of the Green River Participating Area "A", UTU82456A, the Green River – Wasatch Participating Area "A", UTU82456C, and the Green River – Wasatch Participating Area "G", UTU82456I, and the addition of 160.00 for a total of 640.00 acres and is based upon the completion of Well No. 4-21D-7-20, API No. 43-047-52633, located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 21, Township 7 South, Range 20 East, Federal Unit Tract No. 8, Lease No. UTU75093, as a well capable of producing unitized substances in paying quantities.

For production and accounting reporting purposes, all submissions pertaining to the Initial Consolidated Green River – Wasatch Formation PA "A,G" shall refer to UTU82456K.

A copy of the approved request is being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the Initial Consolidated Green River -Wasatch Formation PA "A,G", Aurora (Deep) Unit, and its effective date.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

RECEIVED

APR 03 2014

ENTITY ACTION FORM

Div. of Oil, Gas & Mining

Operator: Bill Barrett Corporation

Operator Account Number: N 2165

Address: 1099 18th Street, Suite 2300

city Denver

state CO

zip 80202

Phone Number: (303) 312-8115

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738347	ROGERS 16-43		SWSE	16	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	16977	14989			8/1/2013		
Comments: <u>GR-WS</u> <u>4-7-2014</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752129	Aurora 3-16D-7-20		NENW	16	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	18483	14989			8/1/2013		
Comments: <u>GR-WS</u> <u>4-7-2014</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752633	Aurora Federal 4-21D-7-20		NWNW	21	7S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	19094	14989			8/1/2013		
Comments: <u>GRRV GR-WS</u> <u>4-7-2014</u>							

ACTION CODES:

- A** - Establish new entity for new well (single well only)
- B** - Add new well to existing entity (group or unit well)
- C** - Re-assign well from one existing entity to another existing entity
- D** - Re-assign well from one existing entity to a new entity
- E** - Other (Explain in 'comments' section)

Brady Riley

Name (Please Print)

Brady Riley

Signature

Permit Analyst

4/3/2014

Title

Date